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QUARTER CENTURY WIRELESS ASSOCIATION, INC.

JOURNAL

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THOSE WHO HAVE SERVED

Past Presidents

John DiBlasi, W2FX (SK)	1947 - 1964
Earl R. Thomas, W2MM (SK)	1965 - 1968
Clarence Seid, W2KW	1969 - 1971
Barry Goldwater, K7UGA (SK)	1972 - 1973
Frank A. Gunther, W2ALS (SK)	1974 - 1977
Harry S. Gartsman, W6ATC	1978 - 1981
Stuart Meyer, W2GHK (SK)	1982 - 1985
Leland Smith, W5KL	1986 - 1989
Harry Dannals, W2HD	1989 - 1994
Lew McCoy, W1ICP (SK)	1994 - 1996
John Kelleher, W4ZC (SK)	1996 - 1998
Gary R. Harrison, KØBC	1998 - 2002

Executive Secretary/General Manager

Ralph Barber, W2ZM (SK)	1955 - 1964
Gus Gironda, W2JE (SK)	1965 - 1973
Ethel Smith, K4LMB (SK)	1974 - 1976
Ted Heithecker, W5EJ (SK)	1976 - 1991

The QCWA Journal

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The JOURNAL does not assume responsibility for unsolicited manuscripts. Subscription to the JOURNAL for nonmembers in the US is available for $20 per year. Contact the business office for subscription information. The JOURNAL is available free to blind paid-up members on audio cassette tape. For more information, contact Blanche Randles, W4GXZ , 44 Western Lane, Amherst, MA 01002.

The Quarter Century Wireless Association

The Quarter Century Wireless Association, Inc. was founded December 5, 1947, as a non-commercial association of radio amateurs organized for the promotion of interest in Amateur Radio communication and experimentation, for the establishment and advancement of the radio art and of the public welfare.

QCWA is an incorporated association without capital stock chartered under the laws of the State of New York, and is a tax exempt 501(C)3 organization under the Internal Revenue Code of 1986.

Its affairs are governed by a President, Vice President, Secretary, Treasurer and a Board of Directors, whose voting members are elected every two years by the general membership.

In order to qualify for membership in QCWA one must have demonstrable proof of having been first licensed as an Amateur Radio operator at least 25 years prior to application for membership and must be currently licensed.

Membership inquiries and general correspondence should be addressed to the business office at 159 E. 16th Ave., Eugene, OR 97401-4017 USA. Telephone, 541-683-0987. Fax, 541-683-4181.

From the President

Croft Taylor, VE3CT

As I write this message, the Convention has not yet taken place. All indications, however, are that it is shaping up to be a great get-to gether. It will be nice to meet many of you for the first time, and for many of those who did not make the Convention, I look forward to meeting you at one of the larger Hamfests across the country - such as Miami and Dayton.

We will be dealing with a rather full agenda this year at the Board meeting, and a condensed version of the minutes will be included in the Spring Issue of the Journal. It is obvious that a full blown version of these minutes would consume too many pages in the Journal, and to include the full version, we would have to eliminate other items which may be of interest to many. However, as a QCWA member, you are entitled to a complete set of minutes, and you may obtain these from our Secretary at any time upon request. There will be a nominal fee applied to cover cost of postage and printing.

I would like to apologize to all members for the omission of the Spring QSO Party Results which should have been in the Fall Issue of the Journal. In that I am one of those who oversees the Journal by reviewing the Draft Copy, I accept some of this responsibility. However at the time of the release of the Draft copy of the Fall Journal, we were 2000 miles west of here in the province of Saskatchewan, where my XYL Elizabeth suffered a heart attack and had to spend over a month in the hospital in a small Saskatchewan town. We were on the way to the RAC (Radio Amateurs of Canada) Convention in British Columbia , and needless to say we did not make the Convention. I was looking forward to seeing Ken Oelke, VE6AFO, the new President of Chapter 155 - the Wild Rose Chapter. Ken, past President of the Radio Amateurs of Canada, has very ably rejuvenated this chapter from a low ebb. Speaking of QSO Parties, if you ever misplace the QSO Party rules, you will find them in any Fall or Spring Issue of the Journal. Other than very minor changes, the rules have been stable for the past few years. The rules are also published on our Web Site. The only significant annual difference in the rules is the location of the "Multiplier Station" (W2MM), which moves from place to place each year. By the way - for those who worked W2MM at Orlando, Chapter 45 has produced a very nice QSL Card to commemorate your QSO.

And now for some late breaking news - I am very happy to announce that the Chapter 41 membership in Dallas has unanimously approved a motion to host the 2003 Convention. Your Board of Directors quickly approved the offer, and plans are already in motion to prepare for this event. The dates will be 16, 17 and 18 October, and the location will be the Crowne Plaza Hotel in Addison TX - just north of Dallas. Director Jerrel Jones, W5TUU and his XYL Patty, W5SBF are to be congratulated for their quick action in this matter following this year's Convention in Florida. Details will appear in the Spring 2003 Journal.

A very festive Holiday Season to you all.

FORMER FCC OFFICIAL A. PROSE WALKER W4BW Silent Key

Former FCC official A. Prose Walker, W4BW, the man some consider the godfather of the so-called "WARC bands"—30, 17 and 12 meters—died August 8 following a brief illness. He was 92.

Walker, who headed the FCC Amateur and Citizens Division from 1971 until 1975, made the initial proposal for three new amateur allocations at 10, 18 and 24 MHz during an International Amateur Radio Club (4U1ITU) meeting in Geneva in 1972. Later, he organized and chaired the US preparatory committee for the Amateur Service—the Advisory Committee of Amateur Radio—which took the initial steps to turn the idea into reality at the 1979 World Administrative Radio Conference. The committee also included former ARRL General Manager Richard L. Baldwin, W1RU, who said this week that he was greatly saddened to learn of Walker's passing.

Walker's most recent recognition came at Dayton Hamvention 2000, when he was recognized with a special achievement award, an honor his daughter, Helen Herman, said he coveted among many other more prestigious awards. The award recognized his work in obtaining the new amateur allocations more than two decades earlier. In 1999 he received the QCWA 75 year award.

An ARRL Life Member and a licensee since the 1920s, Walker was an enthusiastic amateur who remained quite active on the air until shortly before his death. Only a few months before he died, he bought a state-of-the-art transceiver and reveled in becoming acquainted with its many features. Walker's favorite operating mode was CW, and he was a frequent visitor on the bands he'd helped to create.

A native of Ohio, Walker's career took a number of turns, including a stint as a high school teacher. His early teaching experience as a professor of physics and mathematics at Staatsburg Union High School, Staatsburg,N.Y. and head of the science Department at Sauquoit Valley High School, Sauquoit,NY, equipped Mr. Walker with excellent teaching and public speaking skills that he would use for the rest of his life.

During his career, Walker earned a global reputation for participation and leadership within the International Telecommunication Union (ITU). He was the leading member of the US delegation at more than 20 international conferences.

Walker retired to Florida, but after his wife Ellanie died in 1999, he moved to Rochester, New York, to be near his daughter, Helen. A memorial service will be held later this year.

BE Informed! *By W3BE.* Make certain that your *station license grant* as shown on the FCC ULS consolidated license database has your correct name and mailing address in the United States. See Section 97.23. This obligation does not apply to stations authorized for alien reciprocal authorization. See Sections 97.5(c), (d) and (e).

Helen Cloutier Schmock W8GJX Silent Key

Helen Cloutier Schmock, 93, of Manistee formerly of Ludington, died Saturday, September 21, 2002 at the Manistee County Medical Care Facility.

She was born March 17, 1909 in Manistique, Michigan, the daughter of Henry and Carrie (Little) Hargreaves. She married John Cloutier in 1921. He preceded her in death in 1960. In 1962 Helen married John Schmock who preceded her in death in 1983.

Helen was an author, artist, publisher, beautician, musician, librarian, dance instructor and a ham radio operator. She received a Bachelor of Arts degree from Los Angeles University; and a Bachelor and a Master of Arts degree from Central Michigan University.

Helen began her extensive career by playing the piano during silent movies at her father's theater, The Gero Theatre, in Manistique. While living in Escanaba, she owned and operated Helen's Beauty Shoppe and later Helen's School of Dancing. She was a feature writer and staff reporter for the Escanaba Daily Press. She worked at radio station WESK in Escanaba as the Women's Continuity director, program director and public relations director. Later she was assistant to the administrative head of Michigan State Library in Escanaba. She served as director of the Menominee County Library in Stephenson, Michigan and after a move to Chicago, Illinois, she was the director of the technical library at Motorola, Inc. in Chicago.

After moving to the Ludington area, she was co-owner, editor and circulation manager at J. & H. Publishing Company in Ludington. She served in the capacity of systems librarian and art instructor at various times in the Scottville Community Schools and the Baldwin Community Schools.

As an artist, her work was exhibited at the Upper Peninsula State Fair in Escanaba, Chicago Motorola in Chicago, Possessions Art Gallery in Chicago, the Carnegie Exhibition in Ludington, the Scottville State Bank in Scottville and the City Mart Expo in Boston, Mass.

Helen was the published author of 17 books including: in 1952 "Sim Barton-Girl Radio Operator", in 1957 "Isle Royale Calling" which was endorsed by Governor G. Mennon Williams; in 1960 "The Many Names of Lee Lu"; in 1963 she authored the children's series of nine books entitled "The Adventures of Mournful Mouse"; and from 1960-63 she wrote four paperback books; in 1991 "I Never Shot a Rabbit" which was her autobiography. She was a member of the Woman's Literary Club.

One of her many interests was ham radio. She was licensed in 1929 as W8GJX. At the time of her death, she was believed to be the longest licensed woman ham radio operator in the world–73 years. She was the first woman member of the Quarter Century Wireless Association (Worldwide)—a membership she held until her death. She was also a member of the Sunrise Radio Net and the West Michigan Repeater Association.

In 1973 she was listed in "The World Who's Who of Women."

Helen is survived by: sons and daughters-in-law, Charles & Margaret Cloutier of Onekama and John & Jean Cloutier of Donaldsonville, Georgia; step sons & daughters-in law, Jack & Carolyn Schmock of Quincy, Mass. and Robert & Marion Schmock of North Palm Beach, Fla.; grandchildren, Cynthia (Christopher) Lundberg of Pentwater, Nicole Cloutier of Sarasota, Fla. and Marcelle Cloutier of Englewood, Fla.; great grandchildren, Brittney Lundberg, Danielle Cloutier and Cloutier; sister-in-law, Rose Cloutier of Escanaba.

In addition to her husbands, she was preceded in death by her parents, a step son, Richard Schmock; and a grandson, Charles Cloutier II. The family suggests that those wishing to remember Helen consider a gift to either the American Cancer Society, the Manistee County Medical Care Facility or West Shore Community College.

QCWA CW Net

W3AWU has asked that all members of the QCWA CW net advise him, or N6SL, of their current e-mail address as soon as possible. If you do not have an address, send him a postcard and let him know about it.

The suggested QCWA calling frequencies

If you want to get on and chat with a fellow QCWA member, Chapter 63 in Oklahoma recommends the following frequencies:

CW – 3.535, 7.035, 10.115, 14.035, 18.100, 21.035, 24.925, 28.035

Phone – 3.855, 7.255, 14.255, 18.155, 21.355, 24.955, 28.355

No nets, just a place to look for QCWA members. Spread the word around. Also don't forget the regular nets!

On March 18,2002, the Golden Triangle Chapter 173 held a 100th birthday party at the Summerset Assisted Living Home in Tavares, Florida for Bill Golding K4GGF.

From left to right: Henry Schurman W3DJE – Treasurer, Don Lama K8OEX, Bill Cole N4NKI, Tom Oen KA1DXO, Edith Eltzroth KM4JP – Secretary, Strait Hollis K24YA, Ray Ernst W2TAX and the Golden Bill Golding K4GGF is seated in the front.

W5JIZ's hamming adventures in Saudi Arabia

by Dick Rucker, KM4ML

Luther Pully (W5JIZ) was pictured on the cover of the Fall 2001 issue of the QCWA Journal, and the cover note revealed that "Luther has spent years in the Middle East as a consultant in the microwave communications field," but no story followed. So I wrote Luther and asked him more about his adventures with amateur radio while in the Middle East. He wrote recently, " Sorry to be so long in answering your letter, but I misplaced it. Here is the info on HZ1AB and Saudi Arabia, where I worked for the Arabian American Oil Company (Aramco) in the Communications Dept."

"The club station HZ1AB was licensed in 1946 to the U.S. Training Mission by King Saud as a gesture to President Roosevelt on his visit to Saudi Arabia. Amateur radio is banned in the country, except for HZ1AB and a half-dozen Saudi Princes. HZ1AA is licensed to the King in Riyadh, and HZ1HZ is licensed to the retired minister of communications in Jeddah. HZ1AB accounts for nearly all Saudi contacts, and HZ1HZ accounts for the rest, mostly on CW.

"HZ1AB is located in a building at the Dhahran airport and is operated under the close regulation of the U.S. and the Saudi government. When I was there, the station operated on 20m phone most of the time using a rhombic antenna — 1100 ft. per leg — aimed at Washington, D.C. It also had a 4 element beam on 20, 15, and 10m up 95 ft. The station equipment included a Collins KWM2A, Drake receivers, and a 1 KW linear amplifier. The radio club averaged about 35 members, mostly American. I served as Secretary-Treasurer for one term. All QSL cards were sent to our QSL manager, K8PYD, in Columbus, OH. When I left there in 1983, we had over one million QSL cards, and since then the count has risen to nearly 1.5 million.

"Our relations with the Saudi's were excellent as less than 5% of the Saudi's were radical; the others were strongly pro-American. Aramco's production of petroleum made them rich, with a lot of the money spent on roads, schools, hospitals, etc. Aramco was owned by American Oil, Exxon, Mobil, Texaco, and Standard of California (Chevron). Later, the Saudi government bought them out and changed the name to Saudi-Aramco.

"We lived in Dhahran, a city of about 50,000 from 38 nations; Americans were in the minority. Although summer temperatures were as high as 130 degrees F, the humidity was low, and we all had air conditioning. I thoroughly enjoyed my stay there."

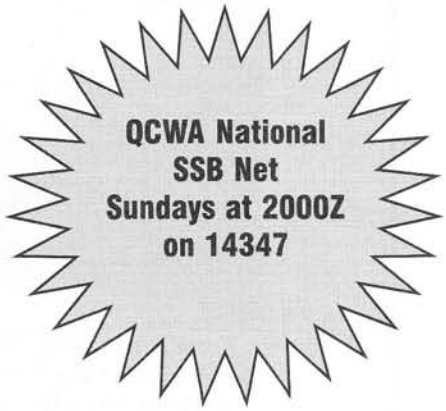
"73, Luther"

BE Informed! *By W3BE.* In ITU Region 3, the FCC regulates the Amateur Radio Services within the Pacific Insular territorial limits of American Samoa, Baker Island, Commonwealth of Northern Mariana Islands, Guam Island, Howland Island, Jarvis Island, Kingman Reef, Palmyra Island and Wake Island.

Web Chat Room Offers Hams Alternative to Shortwave Radio

A new QCWA Internet chat room offers hams an opportunity to have QSOs free from static, fading, QRM and even radio equipment. According to Jack Goldfarb, W8WGO, of Cleveland's Chapter One, the chat room has a special section set up for QCWA members. "This is a new, fun way to make new contacts and friends plus working DX without a radio," he says. Here's how it works: First, log onto the Web site http://www.qsl.net/møzpd/ and note the zero, not "o" in the address. Scroll down a bit until you see: "Downloads FAQ etc/" then click on Download and a new page will load. Click on "eqso.exe" and you'll open a download window. Click "Save" and note where you're saving it. After the download is complete, locate the file and run it. It will install a program needed to use the E-QSO chat room. You can create a shortcut and open the program. It will bring up your modem and you will connect to your ISP just as you would for e-mails. A new screen will appear, and you can then enter your call letters and other identification, such as "Cleveland, Ohio." Note a block entitled "Room." Using your mouse to scroll down until you see "QCWA #1." Highlight this, and then click connect. Your call letters and other identification will appear in the big block, along with any others who are available in the chat room. To talk, you must click with your mouse the block "PTT" once and hold it down to talk. After the first transmission you can use your space bar to make further transmissions. When you're done, click "Disconnect" and exit the program. That's all there is to it!

Of course, you must have a microphone plugged into your sound card. If you lack a mike, they're available at most computer stores for a modest amount; usually under $5.00. Give it a try! See how you like it for a change of pace in your ham radio activities. Instead of using the QCWA #1 room, you could try using room #101, which usually has a large number of hams worldwide available for a QSO.



2002 QCWA Scholarship Awards

QCWA General Scholarships - $1000 each

Jeannemarie Bacon KB1GUZ - Randolph, MA
Matthew G Kersus KC2GGA - Wall, NJ
Gregory W Bennett K1GWB - Jaftrey, NH
Andrew Carson KB7PEH - Shoreline, WA
Matthew Henry KE4VEM - Rotonda West, FL
Kelly Lendzion KC8JUX - Fowlerville, MI
Robert C Mate KB8VXJ - No. Olmstead, OH
Daniel Nygren KA3ZHT - Sweet Valley, PA
Mark A Pettus KE4ESF - Delta, AL
Melody L Sift KE4ACK - Chesapeake, VA
John L Walker N4DMR - Cullman, AL

Travis Baird (W9VQD) Memorial Scholarship - $500

Andrew F Schaefer KB2ZWZ - Binghampton,NY

Edwin B. Woodruff Memorial Scholarship - $1000

Jason M Marshall KB1CZE - Monticello, ME

Leo Meyerson Family Living Scholarship - $800

Martin C Worster KD5LJT - Harrison, AR

Donald & Phyllis Doughty Family Scholarship - $1000

Donald M Guisinger KC8RPE - Massilon, OH

Ralph Hasslinger (W2CVF Charter Member Scholarship - $1000

Mark Henry KE4UFT - Rotonda West, FL

This is the 25th Year that these scholarships have been awarded for the Quarter Century Wireless Association by the Foundation of Amateur Radio. QCWA's more that 9000 members were first licensed at least 25 years ago. They have contributed for 221 scholarships with a total value of $176,000, a real tribute to the members who are giving back something to the hobby which they have enjoyed

QCWA General Scholarships

Jeannemarie Bacon, KB1GUZ

I am currently a Massachusetts State certified Emergency Medical Technician, and have been since 1990'

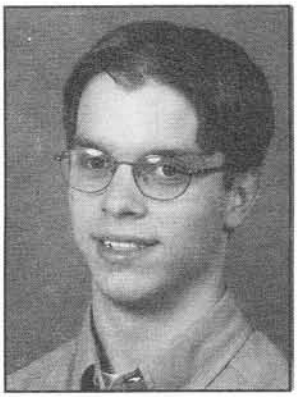
For the last 7 years I have been the fundraising coordinator at Fallon Ambulance Service, raising more than $15,000 for needy people in our community.

I have been involved with the Boy Scouts, Troop 67, Braintree for 6 years helping with First Aide, fund raising, and adult leadership.

I am currently enrolled at Massasoit Community College doing my prerequisite studies for Nursing School. My GPA is 4.0.

I am also on a Critical Incident Stress Debriefing Team, which helps people in the community deal with tragic incidents

My future plans include finishing Nursing School and using my Ham radio license to help in emergency situations.

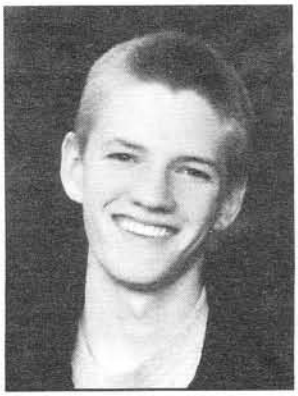


Gregory W. Bennett, K1GWB

Gregory graduated from Conant High School in June of 2002, and is currently working full-time. He will continue to do so while attending Mount Wachusett Community College next fall, majoring in Computer Science.

Gregory taught himself the novice and technician written material at age 12, and took both those tests shortly after his thirteenth birthday. He later studied for and received his general class license and 20 WPM code CSCE, at age 15. He was active as Net Control for the Tri-State FM Emergency Net for over two years, and is active in contesting, including participation in the AA1JD contest group, previously first place in United States and Canada for the 10 meter contest. He also has participated in the Nashua Amateur Radio Club field day, well known as one of the largest field day operations in the country. He continues to be active in Amateur Radio as much as is feasible given his work schedule.

Through his continued interest in radio, he became involved in other areas of electronics as well. He now builds and repairs computers, and plans to include that in his major at school. He will remain involved in theater lighting and sound production in college, as he was in high school, and Communication Technology as well.



Andrew Carson, KB7PEH

I have had my amateur radio license for over eight years, thanks to my father who got me started in amateur radio. My immediate family members all have their licenses, my father, Dave, WA7BTZ, my mother, Jocelyn, WB7UQR and my sister, Mary, KB7PCE. My father and I both volunteer with the fire department in Shoreline, Washington, with a group of Hams from the area that provide extra communications for the fire and police departments.

Along with amateur radio, my hobbies include music and sports. I have played the piano for over 13 years and the guitar for about six years. I also sing bass in my church's choir. I practiced Karate for around seven years, and attained the rank of Brown belt. I also was the Captain of Shore wood High School's Ultimate Frisbee team this year, and I have played Ultimate Frisbee for about three years.

Matthew M. Henry, KE4VEM

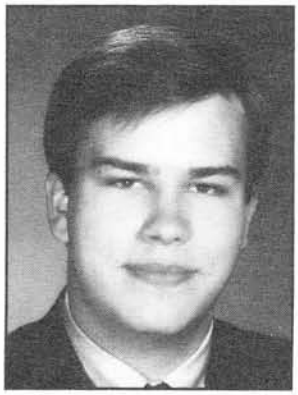
Having earned a B.A. in Political Science from the University of Florida in May 2000, I am pursuing a J.D. with Certificate in Intellectual Property at the same university. I am interested in its particular application to the Internet, software, communications, computers, and other electronics.

As a member of the Englewood Amateur Radio Society (EARS), I have continued to help with field day and communications during the local parades. I was a member of the Charlotte County RACES, where I assisted in emergency communications when HAMs were needed to communicate on behalf of hospitals and other emergency services. I participated in SKYWARN activities. As an Eagle Scout and eventually as an Assistant Scoutmaster, I introduced HAM radio to members of my troop.

I am currently an active member of the Gator Amateur Radio Club (GARC) where I serve as vice-president and served as the club treasurer for two years. In Gainesville, I have participated in the SKYWARN program,the March of Dimes walks and have accompanied the Alachua County EMS bike team since they could not use their own county communications equipment for this event.

I also am a member of the Sports Car Club of America (SCCA), in which I do volunteer work in the Pits & Grid or at Sound Control for races at Daytona and Sebring.

Mathew Kersus, KC2GGA



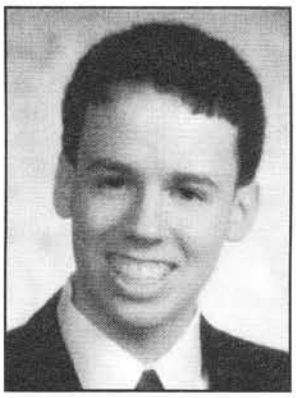
Mathew is a 19-year-old resident of Wall Township, NJ. He has been a licensed Ham since his sophomore year in high school and holds a General Class license. However, his radio activities started long before then. As a Cub Scout, he participated in Jamboree on the Air for several years. Also, for the past nine years, Matt (along with his dad, W1GDO) has helped provide emergency communications for the NYC marathon. His other operating activities include: communications for the NJ 50k/50 mile megamarathon, communications for the Juvenile Diabetes Walkathon, and operating Field Day with the Ocean Monmouth Area Radio Club.

Matt is a member of Monmouth County ARES RACES and SKYWARN. He is an Eagle Scout and currently serves as Assistant Scoutmaster for Troop 333 in Wall, NJ. This past May, Matt graduated from Tom Christian Brothers Academy in Lincroft, NJ with distinction, and in the fall he will be attending the School of Engineering at Boston University where he plans to major in Biomedical Engineering.

Kelly Lendzion, KC8JUX

Since last year I have received my Associate's Degree in Management Information Systems (MIS) from Northwood University. I started grading last year for one of my MIS professors and I will also be tutoring this year in a variety of different subjects. I have also remained on the Dean's List. My next hurdle at college is finding an internship in my field and then in two years, graduation.

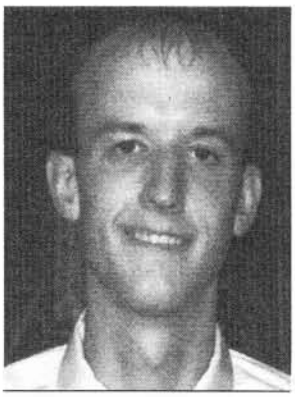
I participated in another great Field Day this summer at my house. Attendance was high and we were able to get some new people on the radio. I also joined Young Ladies' Radio League (YLRL) this year as well as the ARRL. This year in amateur radio I will be testing for and hopefully receiving my General class license. This feat will be a race between my sister and me, we always seem to keep each other motivated at school and at home.



Robert Mate, Jr., KB8VXJ

Robert Mate, Jr. was born in Fairview Park, OH on June 11, 1983. He has graduated from St. Brendan Elementary School and St. Edward High School, and is currently a sophomore at Marquette University in Milwaukee, WI.

Robert received his first amateur radio license in late 1994, and currently holds a technician class license. He is a member of the North Coast Contest Club, and enjoys operating in events such as Field Day. Robert is double-majoring in political science and English, and plans to eventually pursue a career in government service or political journalism.

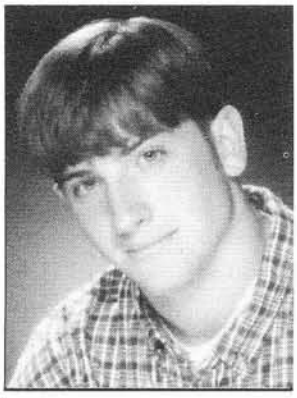


Dan Nygren, KA3ZHT

I am twenty years old and I have had my license for eleven years, and currently hold a technician plus license. I have been involved in amateur radio most of my life as both of my parents are amateur radio operators.

I am a member of the Murgas Amateur Radio Club and the Amateur Radio Emergency Service. VHF contesting, Field Day, and the club Hamfest are activities I enjoy.

I graduated from Lake-Lehman High School in 2000. Throughout high school I was a member of the National Honor Society and the Varsity Tennis team. Currently I am in my third year at the University of Pittsburgh where I will be starting my first year of Pharmacy School.

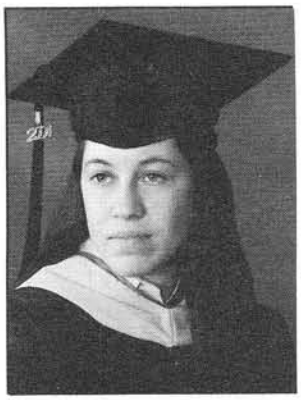


Mark Pettus, KE4ESF

Mark is a junior at the University of Alabama in Birmingham. He is majoring in sports management/health and performance with future plans of a master's degree in physical therapy. He is a starter on the UAB Division I-A football team.

Mark is very active in amateur radio. He enjoys backpacking to wilderness sites to set up temporary ham stations where he experiments with search/rescue ability and propagation.

Melody Lynette Siff, KE4ACK



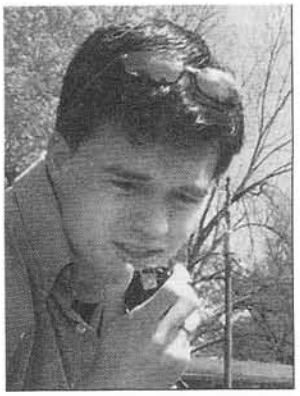
Melody was licensed at the age of 12 and progressed to Extra class by the age of 16. She is a member of the Chesapeake Amateur Radio Service (CARS) and performs amateur radio public service as well as serving as a Volunteer Examiner (VE).

She has spent many hours as a volunteer in the emergency room/trauma center of a major local hospital and also with the city of Chesapeake, Virginia, Emergency Medical Services where she is an Emergency Medical Technician-Cardiac Technician.

Melody completed her undergraduate degree in Biochemistry at Old Dominion University in Norfolk, VA. She is enrolled in a Masters Degree program and currently involved with a medical research grant program at Eastern Virginia Medical School (EVMS) in Norfolk, VA.

Her goal is to become an emergency medicine physician.

John LaWayne Walker - N4DMR

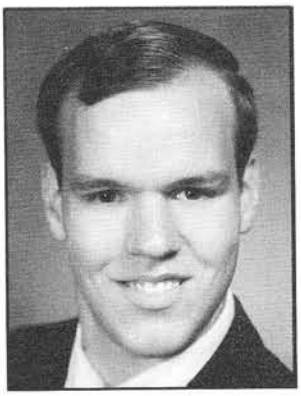


I am a 21 year-old junior at the University of Alabama in Huntsville. I am actively involved in my schoolwork there, as well as working as a math and science tutor at a local Title 1 Elementary School. In my other spare rime, I am very active with my church family. I am the student leader of the college and career ministry, a tenor in the choir and praise team, and first saxophone and selected soloist in the church orchestra. I have helped to start a new sign language ministry at my church. There are now two active groups, and we recently had an arts conference to share with other local churches, and I have been asked to several churches to teach one-on-one workshops.

Other activities, besides church, include working on my parent's farm and just having fun (4-wheeling, playing with my black lab Jack, playing with my nephew Alex). I also find rime to visit with my grandparents on a regular basis. One grandfather requires assistance in his home and his medicines, so I have taken on some responsibilities of helping him as much as I can. Any rime that I have left after that is devoted to my computer. I currently build my own systems, and give my old ones to other members of my family. I am an avid net surfer, desktop publisher, and e-book nut. I read all the time, and now have a large collection of my favorites in hardback.

Ralph Hasslinger (W2CVF) Charter Member Scholarship

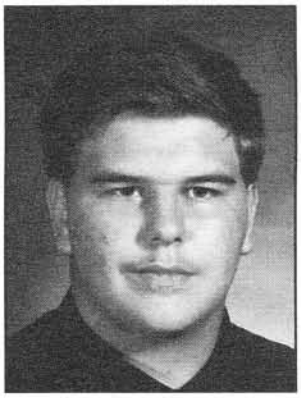
Mark Henry, KE4UFT



I have completed my third year at the University of Central Florida and I am looking forward to completing my final year. This was the first year that I was able to take classes that were specific to Computer Engineering. I was pleased to discover that I enjoyed all of them and did quite well. This summer, I will be taking two classes. One of these classes is a graduate level course. I also have applied for a summer internship that will allow me to gain experience in my field of study.

I am still active in several clubs including several Christian organizations, the Astronomy Club, and the UCF Amateur Radio Club. I am also able to participate in the Englewood Amateur Radio Club (EARS), in activities such as field day and their Ham Radio/Computer show. Just this year I joined the Florida Engineering Society (FES) and was elected Treasurer. FES is a professional organization that serves the community through several events during the year. In the Fall, I plan to stay involved ill these clubs and lead FES as Vice-President. I really appreciate your financial assistance and support. It is very encouraging for me to have been chosen by you as a recipient of your scholarship. I realize how lucky I am to have your support now and in the future.

Donald & Phyllis Doughty Family Scholarship



Donald Guisinger, KC8RPE

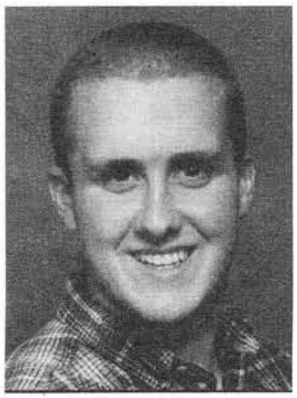
I was born March 2, 1983 in Canton, OH to Phil and Shirley Guisinger. I grew up in a community just outside of Canton with my father and older brother. My parents divorced when I was 3 years old.

I moved in with my mother when I was 10 years old. Although she lived only a few miles away I had to change school districts, which turned into a blessing rather than a torment.

Massillon City Schools has a Radio/TV class, which meets for 4 periods each day. During my junior and senior year most of my time was spent in class or working on a project. No doubt this kept me out of trouble. I graduated From Massillon High School on June 3, 2001. I got my ham license 2 days later.

I just finished my first year at the University of Akron, where I'm majoring in Mass Media Communication. I am also the newly elected Vice President of the University of Akron Amateur Radio Club. I've been active with the club since I started college.

QCWA Travis Baird (W9VQD) Memorial Scholarship

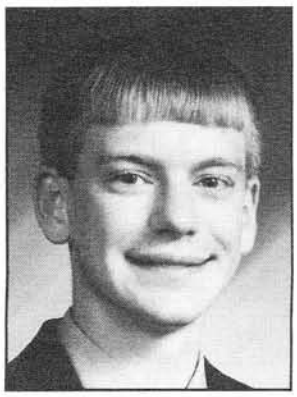


Andrew F. Schaefer, KB2 ZWZ

Andrew recently a graduated from Chenango Forks High School, Binghamton, NY, Class of2002 as the Co- Valedictorian. Andrew is an Eagle Scout, Co - Captain of the Varsity Swim Team, Track Team member, Vice President of the Model UN, National Honor Society Member, and Student Council Representative. As a junior in High School he attend American Legion Boy's State.

He received his Advanced Class Radio License in 1999. As an Amateur Radio Operator, he has conducted Jamborees on the Air for fellow scouts and has participated in field days. Also, he has encouraged other students in the school to try for Amateur licenses. Andrew is the son of Andrew 1. Schaefer (W3SW) and Karen C. Schaefer of Binghamton, NY.

Edwin B. Woodruff Memorial Scholarship



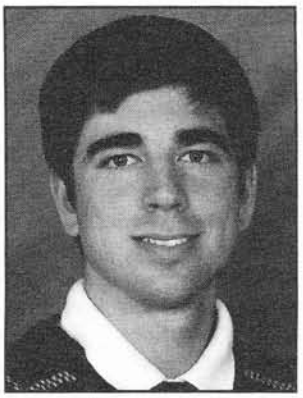
Jason M. Marshall, KBICZE

Thank you awarding me the QCWA Edwin Woodruff (W3SX) Memorial Scholarship for this school year. My parents, myself, and my ham mentor Peter Hurd (N1SS) greatly appreciate the honor and the support.

This fall, I will be attending LeTourneau University in Longview, Texas, for my third year studying Aeronautical Science with an Electronics Concentration. I intend to upgrade soon from what was once Tech Plus to General to make use of the HF equipment owned by my school's club (I've bought the book; now I just need to read it all). During this summer, I have held an exciting job as an avionics apprentice at Telford Aviation of Bangor, Maine. Bangor is a two-hour drive from my hamlet of Monticello, so I have been attending a midweek Bible study here in Bangor to avoid becoming an island unto myself here in the big city. For recreation during the last year, I have been enjoying fishing, intramural basketball, piano, sailing, and canoeing.

QCWA Leo Meyerson Family Living Scholarship

Martin C. Worster, Jr., KD5LJT



Martin, the son of Dr. and Mrs. Martin C. Worster (KD5LJV) and Constance (KD5LJU), became interested in ham radio during the summer of 2000 and obtained an Extra class license. He also became a VE and is a member of the ARRL. He is an active member of North Arkansas Amateur Radio Society and the Amateur Radio Club of the Ozarks. Martin was on the 2001 Hamfest committee and 2001 Field Day committee. Martin was an operator for the W5YM Field Day at the University of Arkansas Campus. Martin enjoys storm chasing and is a member of ARES. He enjoys Dx-ing, operating as net control for several local nets, Morse code, participation in local foxhunts, and very close to capturing his WAS Awards on 80m, 40m, and mix bands.

While attending Valley Springs High School, he graduated as Valedictorian of his class with a 4.04 g.p.a. Martin was a member of National Honor Society, Spanish Club, History Club, Key Club, Art Club, and held offices in each one.

At North Arkansas College, Martin has been named to the Dean's List, received an All-Arkansas Two-Year College Scholarship, and other outstanding scholarships. He is a member of Phi Theta Kappa, a College National Honor Society.

He plans to transfer to the University of Arkansas in the fall of 2003 to pursue a Bachelors Degree in either Biology or Chemistry.

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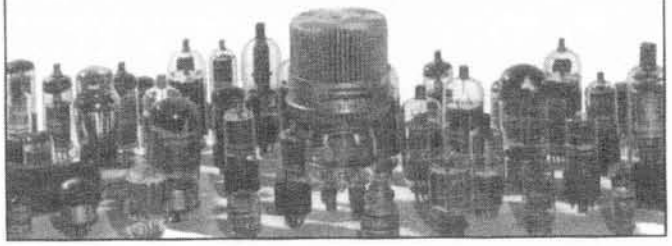

Old Old Timers Club — Pioneers of Amateur Wireless

Communicated by Wireless - Amateur, Commercial or Military 40 years ago? Licensed ham today?

THE OLD OLD TIMERS CLUB
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DALLAS TX 75220-1611
Phone: 214-352-4743
ootc@ticnet.com
http://users.ticnet.com/ootc/

Gen. Manager's Report

Jim Walsh, W7LVN

Here it is time for another Journal, and as I write this, the Fall Journal is about to be mailed, so they tell us. It promises to be a great issue and I am sure many of you will enjoy it.

Some recent happenings need to be reported. Many of our members subscribe to an excellent magazine called Electric Radio. The editor and publisher is Barry Wiseman, N6CSW. This September issue carries the announcement that he has sold the publication to Ray Osterwald, NØDMS, a frequent contributor of articles. Barry was the editor of our Journal for a number of years and we wish him well for the future.

Another nice announcement is that The Xtal Set Society has announced a new publication from their society "The FM Crystal Set Project" by Phil Anderson, WØXI. A copy is available from their offices in Norman, Ok for $9.95. This is a great starting point for young people about to reach into amateur radio, not just FM Crystal Sets, but Xtal sets in general.

We now have a new Board of Directors installed and a list is on our home page at "qcwa.org" under the heading of the new Directory and also listed elsewhere under Officers and Directors". In October they will have their first meeting and it should prove productive. The new Directory for 2002 finally got completed and installed, after all the computer problems. A few CD ROMs of that file have been ordered by our members and the cost including the mailing is $10.00.

Memorial Scholarship Fund Donations

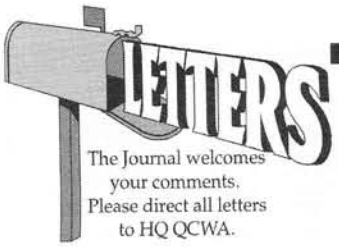
NAME	HONORING
Chapter 32	W8SKP
Ralph Hasslinger	Rita Hasslinger
Chapter 41	W5GG
Chapter 39	WB8SJC
Edwin E Pollock	W6CUB & W6TUW
Ralph Hasslinger	W9NN
Chapter 32	W2CHC
Chapter 149	W1KHL
Chapter 63	WA5JGU
Chapter 63	W5PBO
Chapter 45	W4FI
Chapter 162	W9LCJ
Chapter 89	K4DSK
Chapter 41	W5DXR & K5MXQ
Luther Pully	W5DXR
David Bilar	
Mr & Mrs Wayne Shaffer	W1KHL
Chapter 134	Chapter 134 Silent Keys
Leo Meyerson	
Edward A Seruga	W9JFW

REQUEST FROM HEADQUARTERS
Chapter report file naming

If you are sending a Chapter report you can send it as an attachment, or as the contents of an e-mail message. Either way is fine. If you have it saved as an attachment then please use our requested naming of CH + the chapter number (CH234.txt as an example) and not some longwinded description of the file. Yes, I know you can use long names, but in this day and age you should learn to shorten them and use some type of standardized version. You would be surprised at how many use "QCWA Chapter report for XYZ month" and we end up with many, all starting with the same first words. If it is a Chapter report then do it, and name it with CH and the Chapter number and then use the suffix .txt or .doc.

Now, if you are sending a graphic file, then prefix its name with CP and the Chapter number, and the suffix .jpg. We will not accept prints that you made with your color printer, they just do not reproduce very well, nor can we accept files, which are made from scanners, for the same reason. Our quality is great and let us keep it that way. Just name the file and send that to us as a .jpg. Try and keep the resolution to at least 150 dpi.

WARNING! We have experienced several files from different sources with same naming and when that happens, the last one overwrites the first and we have lost a file. So, please take our suggestion to heart, for it makes thing easier for both of us at Headquarters and our Editor.



The Journal welcomes your comments. Please direct all letters to HQ QCWA.

Dear Editor, OM,

Thank you very much for having printed my letter and edited the English of that letter (QCWA Journal Vol. 3/2002 on page 8).

There are two errors left:

(1) You have introduced "many of use", should read "many of us" (page 8, right column, 3rd paragraph, line 5).

(2) The e-mail address at the end of my letter should be amended to dl9pr@tiscali.de (in case somebody wants to contact me on that path). The further e-mail address is correct in www.qrz.com.

Good luck to QCWA

73 de DL9PR Herman

QCWA Directories Available

The QCWA 2002 Directories are available on CD ROM from headquarters.

Only $10.00

Contact

Jim Walsh
159 E. 16th Ave.
Eugene, OR 97401-4017
Telephone: 541-683-4181

QCWA HISTORICAL MATERIAL WANTED

It is important that we preserve any or all material pertaining to the history of the QCWA for posterity. If you have items to contribute to the historical record of the QCWA organization, please contact:

Historian Wesley Randles, W4COW
44 Western Lane
Amherst, MA 01002

e-mail: w4gxz4@juno.com

Editor's Corner

The QCWA Journal has received more mail about George Hart's continuing series of "Random Recollections" than anything else in the Editor's tenure. All of the comments were complimentary and most inquired as to where one could buy the book.

The book is still in manuscript form. Your Editor is in the process of preparing "Random Recollections" for printing. Mr. Hart and I would like to do a limited initial printing of hardback books to minimize the production costs and minimize the per-copy price.

***

The number of articles for the Journal are declining again. I'm requesting that some of you old timers rummage through your cobwebs and put some of your fond memories on paper.

Articles don't necessarily have to be about amateur radio; many QCWA members have concerns and interests in financial matters and retirement issues.

***

I know there are some amateur photographers in the mix of amateur radio operators. I am always looking for interesting color photographs to print as the QCWA Journal cover. The cover is printed in a high-quality four-color process that begs for good color photographs. Often, the only photos of sufficient quality are chapter related and not of broad interest to all members. Photos of antique equipment or interesting ham shacks would be a start. Even a beautiful sunset behind a magnificent antenna array would be interesting. Think: "Something different."

***

Speaking of quality, the quality of photographs printed by the color printers that almost everyone owns, is dismal for our printing requirements. Take a look at one of the "beautiful" photos under a magnifying glass and you'll see a bunch of mushy colored circles. Those circles get mushier when converted to photos for printing. It takes me about three times as long to "coax" the home printed photos into shape as a processed photograph.

Also, we have an occasional problem with nearly invisible printed copies. Most material is scanned and read by OCR (Optical Character Recognition). Weak copies produce numerous errors and require proofreading character by character rather than word by word. Please replace old typewriter ribbons and printer toner cartridges when printed copies begin to fade. I will be eternally grateful.

***

On behalf of the Journal and little ole me, I'd like to extend my holiday wishes to all and we'll see you next year.

The Rules Say... Q & A

John B. Johnston, W3BE, 17701 Bowie Mill Road, Derwood, MD 20855-1608

This column is devoted to answering QCWA members' questions about the current USA regulations for the amateur radio service. Part 97 of the FCC rules is contained in the document Title 47 — Telecommunications - Code of Federal Regulations Parts 80 to End. A copy may be purchased from the Government Printing Office or downloaded from http://www.access.gpo.gov/nara/cfr/waisidx_00/47cfr97_00.html. The current version is dated October, 2000. Questions, call signs and incidents mentioned herein are for explanatory purposes only.

FLYING OUR QCWA BANNER

By John B. Johnston, W3BE, and Dick Rucker, KM4ML

Our QCWA Vic Clark Chapter #91 does not often encounter the types of member ship difficulties reported by some of our Chapters. One reason for this might be found in our basic approach to every one of our gatherings: *provide the most interesting program possible.* Whether or not this is actually the key reason, it apparently doesn't do any harm because our membership just seems to keep on growing. It may be that new members join our Chapter, and the QCWA, because of what they hear about our programs from our current members.

We have found, however, that there are many 25-year plus amateur operators out there who have not had the opportunity to learn exactly what it is that we have to offer to them. For the benefit of those hams, we fly our banner at a QCWA information booth at one or two local hamfests each year.

Our most recent QCWA booth was at the Foundation for Amateur Radio ("FAR") FALL FEST 2002 held on September 7-8 in West Friendship, MD. The FAR is an association of almost 60 amateur radio clubs centered on the greater Washington, DC, metropolitan area. Being a member of the FAR, our Chapter was entitled to a booth. We accepted the invitation and began making plans. Our very first step was to select the message we wanted to get across and make a poster intended to state our message as simply as possible. Here's what we came up with:

Experienced ham operators
licensed before 1978:

QUARTER CENTURY WIRELESS ASSOCIATION
is for
YOU!

Chapters in the U.S., Canada and overseas
See list at http://www.qcwa.org

QCWA Journal

2002 National Convention Oct 24-27, Kissimmee, FL

QSO parties

Memorial scholarship program

SSB net Sunday 2000Z 14.347 MHz
CW net Wednesday 2000E 7.035 MHz

An information poster containing our message was positioned front and center in our booth. It also listed the name, call sign and address for each nearby chapter's contact person. Another poster contained the announcement of our QCWA Convention 2002 as downloaded and printed from our qcwa.org website. Still another poster displayed the schedule of QCWA membership fees. These are part of our Chapter's QCWA information booth "Go-Kit" that has evolved over numerous hamfests. It also includes the following:

QCWA Chapter #91's gold-and-blue "old timer" banner: Our banner hangs on a white frame that can be assembled to elevate the banner to heights of 5, 6, 7 or 8 feet. The frame consists of light metal pipe and

PVC tubing. It was erected at the rear of the booth at the 8-foot level so that it could be seen even when our representatives were standing in front of it. It was angled so that it could be viewed immediately upon entering the exhibit area.

Self-standing photo display: This 3 x 4 foot display is made from three sections of foam-core board that folds flat when not in use. Posted are interesting photos from recent field trips and meetings, equipment brought in for show-and-tell, and photos from memorable chapter events some years ago. We want to illustrate that Chapter #91 is a lot of fun. To keep the board fresh and interesting, it is revised frequently with new photos. The photos are cropped and arranged specifically for this purpose in Photoshop and printed on a color ink-jet printer. Also included is a computer-printed banner that prominently displays our Chapter's name, number, and web site address. The table space enclosed behind the photo display served as a place to keep handy those items that we did not intend to place on view, such as the cash box, spare pens, application forms, etc.

Information sourcebook: This was a loose-leaf notebook positioned on the table for quick reference. It contained the listing of active Chapters as it appears on the qcwa.org web site. It also contained printouts of the QRZ.com information for the contact person for each nearby Chapter: Baltimore, MD Chapter #20 – Russ Smith K3APM; Washington, DC Chapter #23 – Stan Brigham W3TFA; Harrisburg, PA Chapter #37 – Carl Morris WN3DUG; (No. VA) Vic Clark Chapter #91 – Dick Rucker KM4ML; Del-Mar-VA Chapter #150 – John Willmouth NQ4Q; York County, PA Chapter #165 – Ray Schaub W3AXC. Further, there is a copy of the excellent explanation by Leland Smith, W5KL, of the reasons for joining the QCWA.

Handouts: Our handout is a 2 x 3.5 inch business card. One side displays the QCWA message similar to that shown above. Our Chapter message is displayed on the reverse side:

QCWA Member?

You are welcome at

Vic Clark Chapter #91

Meetings: Usually 3rd Saturday at Noon
Neighbor's Restaurant, Cedar Lane & Park St.
Vienna, VA
Field trips, picnic, holiday party
Check our homepage:
http://homepage.mac.com/rrucker/chapter91.html

Pad of contact reminder sheets: Visitors were invited to leave with us their names, call signs, and any comments so that we can recall their visit and possibly follow up with them, where appropriate.

Log sheet for our volunteers: Those who worked the booth for an hour or more and signed the log sheet were reimbursed for the cost of their admission tickets to the hamfest.

Supply of QCWA membership application forms: These were not offered as general handouts. They were kept out of view behind the photo display board. Our policy is to make these forms available to only qualified amateur operators wishing to join on the spot. Visitors requesting a copy to take home were referred to the qcwa.org web site. The Chapter bears the cost of mailing to QCWA Headquarters when cash or a check is received together with a properly completed application form. One visitor wanted to make his payment by credit card. He was advised to deal directly with QCWA Headquarters.

Chapter membership application forms: Our form is designed to collect the applicant's contact information and mailing address, his/her QCWA membership number, the personal data necessary to allow the chapter to determine the member's eligibility for QCWA service-related certificates, and his/her current and previous call signs.

Maps: Ours show how to locate our Chapter's meeting place from any point on the compass. It is drawn in a vector graphics program to show just the key roads and landmarks as one approaches from any direction. It also includes contact information and normal meeting dates and times.

Chapter's for-sale items: QCWA caps, patches, and decals, and a receipt book. For each group of items, a small sign displayed the cost to purchase. We believe this help prevent any misunderstanding as to whether the items are giveaways.

Tablecloth: A solid color served to hide the distressed surface of a typical hamfest

table, yet not detract from our message.

Recent QCWA Journals: The Spring 2002 issue is especially effective. Its cover has the group photo for the QCWA cruise. As one visitor put it, "Now, there's a reason for joining QCWA!"

Cash box and a supply of ballpoint pens.

About six weeks before the FALL FEST 2002, we reminded our members that the event was coming up and there was a reservation for a QCWA information booth. About four weeks before the event, we contacted each of our 80 active members asking them to help staff our booth during specific hourly slots. One inducement was reimbursement of the price of admission to any volunteer who worked the booth for at least one hour. Another perk was a special Chapter badge. We kept revising the signup list and emailing it around until we were satisfied that we had a great staff.

Fortunately, virtually all of our active members have both Internet email and Web access, so getting the word out to them, and receiving their replies was quite easy. In fact, our Chapter has been able to phase out publication of its traditional bi-monthly newsletter in favor of all-electronic means of Chapter communications. We now rely on an email distribution list for getting the word out to members and on our web site for user-initiated access to Chapter news and resources made available on-line. For example, the application form for Chapter membership and the map giving directions to the chapter meeting place are available as downloadable files from our website.

As an indication of interest in and respect for each of our visitors, our representatives stood while speaking with the person. This great tip came from Blanche Randles, W4GXZ, who – together with OM Wes, W4COW, — has raised the art of representing QCWA to its highest level. Yes, it is tiring to stand. That's why we recruited a staff sufficient to share the load. Our representatives were cautioned to postpone conversations with friends until going off duty. Our representatives, rather, promptly greeted each visitor with, "Are you a member of QCWA? Where is your QTH? Were you licensed before 1978?" These icebreakers are surefire productive conversation starters. Interestingly, Joan Johnson, K4JRJ, and Betty Johnston, N3PKX, were our two most effective representatives. They seemed to project a certain energy and enthusiasm that spoke highly for a very positive QCWA image.

Our plain language answers to specific questions

Q. What is the QCWA?

A. The QCWA is an organization of some 10,000 amateur radio operators, each of whom has been licensed for at least 25-years. It is comprised of numerous local chapters in the U.S., Canada and overseas. Our National Headquarters is in Eugene, Oregon.

Q. What is the purpose of the QCWA?

A. The QCWA has as its fundamental purpose the promotion of friendship and cooperation among those very distinguished amateur radio operators who were licensed at least one-quarter century ago.

Q. Why should I join the QCWA?

A. It is great way to make friends with interesting amateur operators. The QCWA is a lot of fun and it does good work. (When asked for more detail, the questioner was directed to specific events depicted on the photo display board and shown the W5KL masterpiece in the sourcebook.)

Q. Why does the QCWA have the 25-year requirement?

A. The QCWA exists to promote friendship and cooperation among those amateur radio operators who were licensed at least one-quarter century ago. Apparently it takes at least that long for some hams to realize that ham radio is not just about radios. It is more about those fascinating people who just happen to love radio.

Q. How much does a QCWA cost?

A. There is an annual membership fee of $20 per year. But, should you be planning on being around for more than fifteen years, a life membership is your best deal. Short of that, you can have three years for $50 or two years for $35. There is also a one-time $3.00 initial registration fee for all new members. Dues for membership in a chapter vary from chapter-to-chapter. Our Chapter #91 dues are $10 per year or $100 life.

Q. I am visiting in this area. Is there a chapter nearer to where I reside?

A. We hope you'll be here to visit with us at our next Chapter meeting. (Details were given.) Now, let's take a look in the active chapter roster for chapters in you home area. (The questioner was shown the appropriate listings in the sourcebook.)

Q. Am I eligible to join QCWA?

A. What year were you first licensed? (It is far more likely that a visitor will know at least the year they were first licensed than they will know if they have been licensed for 25 years.) You are eligible if you hold an amateur service license now and if you also held one anytime before 1978. After December 31, 2002, an amateur operator holding an amateur service license anytime before 1979 will have met the quarter century requirement.

Q. How can I find out the date when I was first licensed?

A. Our QCWA Headquarters probably has the call sign book showing the first year your name appeared therein. Please contact our General Manager, Jim Walsh, W7LVN, via the qcwa.org web site.

Q. Can I join your Chapter without joining the QCWA?

A. Sorry, but the answer is "No". Our QCWA is the foundation upon which all of its chapters stand. We will look forward to accepting your application for Chapter membership just as soon as you have your QCWA number.

Q. There is no QCWA chapter in our area. How can I start one?

A. Locate four other QCWA members to join with you in filing a petition to QCWA Headquarters for a charter. You'll need a good place to hold your meetings. Chapter #91 considers itself fortunate to have a good restaurant that provides us with a private meeting room, great service and moderately priced luncheons.

Q. I was licensed over 25 years ago while I was a teenager, so I have a long way to go before retirement. Is there a place in QCWA for hams like me?

A. Absolutely! Many of our members are not retirees. That's the very reason our Chapter meetings are held at Noon on Saturday. Please be my personal guest at our next meeting. Here is my QSL card and telephone number.

Q. Can I get directions for driving to your next Chapter meeting?

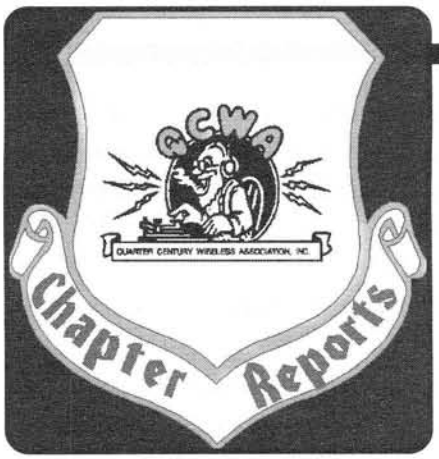
A. You betcha! Here's one that shows the directions from any place on the planet to the great restaurant where we meet. If you misplace it, you can find the information on our web site.

As you've probably gathered from the above, we believe strongly in providing good programs at our meetings. A special thanks goes to our fabulous Chapter #91 program coordinator. He is our Chapter Vice-president Ray Johnson, K5RJ. He works hard at making certain that we have the best possible program each month. Ray, you are doing a wonderful job.

For more information on Chapter 91's programs and meetings, please access: homepage.mac.com/rrucker/chapter91.html. When visiting in Northern Virginia during one of our meetings, please honor us by being our guest.

Dick Rucker, KM4ML, is the Secretary of Chapter #91. He is also the Chapter's photographer and Webmaster. John B. Johnston, W3BE, is the President of Chapter #91. Your input on this topic is welcome. It will be shared with our QCWA Board of Directors Standing Committee for Chapter Relations. E-mail to John@Johnston.net or postal mail to the call sign address.

BE Informed! *By W3BE.* Your station is in ITU Region 2 when it transmits from within the 50 United States, District of Colombia, Caribbean Insular areas (Commonwealth of Puerto Rico, U.S. Virgin Islands and Navassa Island) and Johnston and Midway Islands in the Pacific Insular areas. See Appendix 1 to Part 97.



Chapter Reports are a very important part of the Journal and we would like to see regular reports from all chapters. If your chapter is not represented on these pages, please ask your secretary to file a special report for the Journal. Please send the reports to General Manager, Jim Walsh, to arrive no later than the following dates: July 1, October 1, January 1, and April 1.

Chapter 1, Cleveland

Our summer luncheon meeting in July was very well attended. About forty QCWA members, their wives, and friends were present. We were all treated to a fascinating talk by Jeff J. Covelli, WA8SAJ. His topic was "Communications at Dominion East Ohio". Mr. Covelli is employed at Dominion in communications. He described in some detail the system used by the gas utilities company, particularly in the southwestern section from Cleveland. The continued questions from the audience attested to Mr. Covelli's well covered and knowledgeable command of the subject at which he works. We congratulate OM Jeff! Our secretary, Paul Poling K8CKG, also reported that we have three new QCWA members. They are Robert B. Rhoton WA8KHL, #31454; George Race WB8BGY, #31492; and David B. Boker K8BZV, #31067. George Race formerly represented the Great Lakes District in the A.R.R.L. All three are also members of our prestigious Chapter 1. Welcome gentlemen and congratulations, OMs! Season's greetings and best wishes for a very happy New Year 2003 to QCWA members!

Joseph Zelle W8FAZ

Chapter 2, Chicago Area

The Brunch portion of the meeting was called to order by President Jim Quinn K9JQ at 12:10 PM at the Wilmette Country Club.

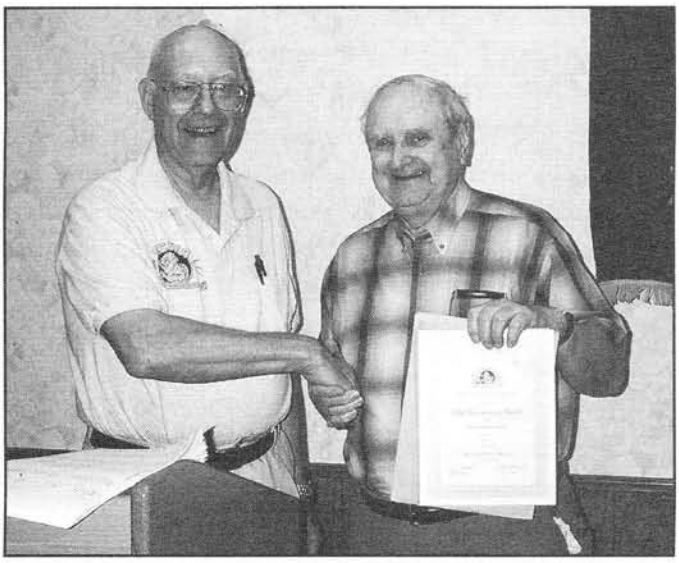
There were 13 members and 6 guests in attendance.

Jim Quinn welcomed the members, their guests and the non-members. He gave a short report on the health of Ed Dervishian W9VSU. Ed is back at St. Josephs Hospital after an operation at the research hospital. He had a reoccurrence of his previous illness. Our Program Chairman, Paul Crum W9LC, is in pretty good health and hasn't lost his voice or his will to speak. He had planned to be at the Brunch, but decided at the last minute that it would be a little bit too much for him. The Chapter had voted an award plaque for Paul and it was to be awarded to Paul at the Brunch for his many years of service to the Chapter for always being there when he was needed. The plaque was shown around and will be taken to Paul at the home.

Jim gave a report on the clubs finances. Last year the club had $1075.22 at this time. This year we have $1290.82. A slight gain.

Then he turned the floor over Gil Kowols W9BUB. Gil handed out the club roster. This year it is sorted both ways, alphabetical by call and alphabetical by name. There were enough for 2 copies for each attendee.

Gil proceeded to hand out the Certificate for continuous amateur radio licensing, which are issued by Headquarters. Lee Knirko W9MOL received the 65 Years of Amateur Licensing Award.



Lee Knirko W9MOL received the 65 Years of Amateur Licensing Award from Gil Kowols W9BUB

Everyone proceeded to the buffet The buffet was only open for another 2 hours. The buffet was outstanding. No one could come up with anything that was missing. Anything you could want for breakfast or lunch or brunch was there. A chef was there for custom eggs or slices of beef and ham. There were 2 varieties of salmon. Also Eggs Benedict. Every imaginable sweet was on the sweet table as well as an ice cream treat with 3 different types of sauce. Naturally everyone overdid it.

Then the floor was turned over to The Dynamic Duo of Mike and Sally. There aren't enough words to describe the pair. The can do everything and do it very well. They brought enough instruments for a full band and Mike and Sally both played them all. They brought keyboard, guitar, banjo, mandolin, pan flute, saxophone, flute, trumpet, harmonica, and for this show the Austrian cow bells.

To make things more interesting, Mike is left handed and Sally is right handed and they played the same instruments. A few of the instruments had to played upside-down. Mike usually manages to play 2 instruments at the same time, such as 2 trumpets, or the keyboard and the harmonics.

They sang global songs and usually provided a little insight into the source of the song. They sang in English, German, Italian, Spanish, Czech, Polish, and French.

After such a display of talent, we could only shake our heads that that much real talent was in these people.

Congratulations to the Lee Knirko W9MOL for coming up with this pair. It's going to be tough to top this entertainment.

The Dynamic Duo of Mike and Sally

Caption not available

The President, Jim Quinn K9JQ; Secretary, Gil Kowols W9BUB; and the Board Member, Lee Knirko W9MOL went to the home where Paul Crum W9LC, was, and presented the plaque to Paul. He entertained the group at lunch.

Paul Crum W9LC (center) receives plaque for 24 years of service to Chapter 2.

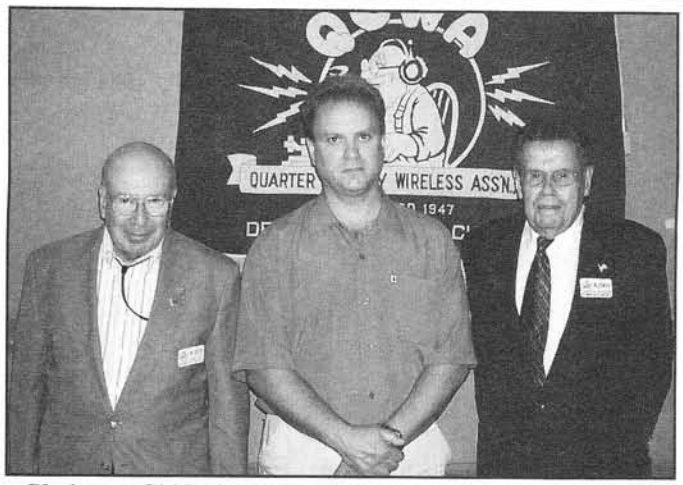
The plaque was presented to Paul for his 24 years of service to the Chapter.

Gil Kowols W9BUB - Secretary

Chapter 5, Delaware Valley

Chapter 5 held the third meeting of the year on September 14, 2002 at the Town & Country Restaurant in Bordentown, NJ. Chairman Sid Deitz W2FDE, opened the meeting at 12:15 by welcoming all the members, wives, and guests. Gordon Gunzelman KC2ISY, gave the invocation and then all were asked to introduce themselves. The secretary read the minutes of the June meeting and they were approved as read. The treasurer Marv Foral W3QGC, was not present since he was on a trip to England, France, Ireland, Scotland, Iceland, Greenland, Newfoundland and back to New York. He had supplied his report to the secretary and it was presented and approved. A new member Bob Durant KC2FXH, was present at the meeting and he was introduced.

The speaker for the meeting was Joe Hochreiter, Jr. a hydrogeologist and a radio ham also, WA3KTZ. Joe's talk was titled "Groundwater - Protecting a Vital Natural Resource" and his topic was very timely since we here in the East are experiencing a severe drought. He is a partner of the BBL, Inc Company and spends most of his time working as a consultant to many of the large companies in solving their problems with contamination and protecting the environment. His talk was very interesting and gave some very good information on how the area of contamination is determined and how some of the problems have been solved. Unfortunately, there are too many contaminated areas to be worked on and for his company, they are kept very busy. His industry has grown rapidly in the last decade. All enjoyed his talk and it was very informative. We hope to get Joe as a member of our Chapter if he can find the time to participate.



Chairman Sid Deitz W2FDE, Joe Hocheiter, Jr. WA3KTZ and Vic Chairman Charles Dawson K2DOV.

There were 28 present. The Chapter has a net on Sunday mornings at 9:45 on 3917 khz and a good group turns out to get together each week. All are welcome to check in and be a part of the gathering. Also the Chapter has a web page that can be accessed by using the address http:// www.crompton.com/qcwa5.

Don Field W2UAE - Secretary

Chapter 6, Pittsburgh

The Pittsburgh Chapter Six meeting was held at yet another "new place". The pariah of restaurants in western Pennsylvania, Chapter Six has closed down three meeting places in the last few years. We are keeping our fingers crossed that Hoss's Restaurant in Pleasant Hills will be able to keep us off the streets and out of trouble.

Although many Chapter Six members were still on their way back from Florida, we managed to have our usual meeting of socializing and fellowship. From a business standpoint, we decided to change our fiscal year to September in order to maximize membership participation in dues collection, elections, voting issues, etc. We also heard from Ed Yoder W3YMB, and Art Kunst W3WM, who are seeking terms as directors at the national level of the QCWA. Both men have extensive experience and leadership skills from military and civilian backgrounds. Chapter Six supports both men fully and encourages their election.

Bob Ross KA3AVB, had the honor of presenting his long time friend Zeke Dorsey W3DHL, with his 75 year certificate. The award was presented in Zeke's home where a number of early radio stories were recounted. Zeke's colorful radio history started during the spark days of 1922 and the call letters of ZD. The "station" was all home made including the wet batteries to run the set up. Zeke remained active throughout the golden years of amateur radio right up to the present time and operates both phone and CW on a regular basis.

On a sadder note, we must report several of our Chapter Six colleagues being down with illness. They are: Ed Gammeter W8CSU, our former chapter president; George Montgomery W3KVS, our most senior member and keeper of the strawberry patch; and finally, Tony Gessler W3YDP, the Golden Voice of Kennedy Township. Our best wishes to each of these fine gentlemen. Our next meeting will be the last Sunday in September at Hoss's Restaurant in Pleasant Hills, PA. We will be installing our new officers, breaking bread, and renewing our fellowship. All are welcome to attend.

Brian Roberts K9VKY - Acting Secretary

Chapter 10, Michigan

On Wednesday September 14 the members of Michigan QCWA met at Kenwood park in Cadillac, MI for our annual picnic. We had a good turnout this year but hope to see more of the members next year. Mike our president got to the park early to secure our usual spot. We had lots of good food and lots of good fellowship. Mike WB8ICN called a short business meeting. We discussed our treasury and getting new members in the QCWA and chapter 10. Another cruise was discussed and hope some of us will be able to be on the cruise when the time comes. It was pointed out that we will need a new president and Secretary/Treasurer. We hope Leo WD8DCA will fill the president's chair so we will need a new vice president. All returned home safely and a good time was had by all.

Chapter 10 picnic left to right: xyl WD8DCA, xyl W8HZF, xyl W8IQB (her call is NI9R), xyl WB8ICN, K8ILN, W8VOF, xyl W8FLA, W8FLA, K8ZJU, WD8DCA, W8IQB, xyl W8CHT, W8FSZ, W8CHT, WB8ICN, xyl W8FSZ and in the front W8VWY.

On Saturday September 21 we lost one of our long time members. Helen W8GJX became a silent key. She has been in a nursing home for several years. Her memory of amateur radio was a thing of the past. She was the first xyl to join QCWA. Although she hasn't been on our net for a few years she will be sorely missed.

Currin L. Skutt W8FSZ - Secretary/Treasurer

Chapter 16, Arizona

24 Members and guests attended the annual summer meeting at the Mountain View Restaurant in Tucson, AI. on June 29, 2002. After an attitude adjustment hour, Vice-president Ralph Barr, WØDNO called the meeting to order and led introductions around the room. George Chaet, W1RGH gave the invocation and lunch was served at 12:00 noon.

After lunch Clem Chase, W7JGU gave a brief talk on the transmitter used in Tucson's first radio station and directions to see it at the Arizona Historical Society on the University of Arizona campus. Then Ralph introduced our speaker, John Glenn, K7RJR who gave a very interesting talk on his experiences working for the FCC. Some of which came close to home for a couple of our members. Ralph then asked for volunteers to prepare a slate of officers for the next term. Jim Swafford, W7FF, Ron Niswander, K8HSF and Clem Chase, W7 JGU all from the Tucson area make up the committee. The slate will be announced at the fall business meeting October 5th in Cave Creek, AZ.

The meeting closed with the singing of "God Bless America".

Gerry Higgins W7ES - Secretary/Treasirer

Chapter 21, Canton

The regular quarterly meeting of QCWA, Chapter 21, Canton, Ohio, was held August 17, 2002, at Randall's Family Restaurant, New Philadelphia, Ohio. Following dinner, president Nelson Caley W8EAR presided for a business meeting. There were 28 members and guests present.

President Caley opened the meeting noting that a friend of many of the members had become a Silent Key, Fred Bauer KI5KG. He called attention to the elections which will be held at the next meeting. A vice president, a secretary, and a director are to be elected for two-years terms. The director's term of Ed Clinger WA8DRT is expiring. The next meeting will be November 16. A showing of hands showed preference for a luncheon meeting.

Dave Glass W8UKQ reported that the minutes were published in the newsletter and reported the treasury balance. Messages from members were read.

Vice president Perry Ballinger W8AU introduced our resident DX traveler, Mel Vye W8MV, who described his recent DX-peditions to Bermuda, Mauritius Island, and Reunion Island. He told about finding accommodations and going through inspections with his gear. He then set up and demonstrated his portable station.

Door prizes were awarded.

David Glass W8UKQ - Secretary

Chapter 45, Citrus

We regret we have to announce that one current and one past member of Chapter 45 became Silent Keys during the summer of 2002.

Don Hawley, ex-W4ZU became a Silent Key July 11, 2002. He was a former member of QCWA and the Citrus Chapter. Until the time, due to health problems, he resigned from QCWA he was an active member. Don built his first piece of radio equipment as a teenager and enjoyed ham radio for 65 years. He graduated from the University of Florida and worked as an engineer at WBDO in Orlando. Joining the Navy he served as a communications and radio materials officer during his 27 years in the service at the Navy Underwater Sound Reference Laboratory in Orlando where projects included sonar for the atomic submarines. Listed in Who's Who of American Men of Physical Science and a senior life member of the Institute of Electrical and Electronic Engineers.

Frederick Ritter W4FI, became a Silent Key on the 18th of August 2002. Fred was first licensed in 1934 as W2HVN joining QCWA in February 1974. The Chapter presented him a 65-year certificate in January of 1999. A member of Citrus Chapter since 1992 he served as Vice-President in 1999. Fred was a career military man serving in Army and Air Force communications. At various times during his career he had been stationed in Alaska, Greece, Thailand and Tripoli. After about 35 years service he and his XYL, Kay, returned to Florida where they had honeymooned and lived briefly. Settling in Longwood, in the Orlando area, he earned a Master's degree from Rollins College and taught for several years in the Oviedo High School. Interested in his community he served on the Longwood City Council in the early 1970's.

Plans for the QCWA 2002 Convention are being completed. The Chapter has had just about 10 months to put it all together. It is expected that over a hundred interested hams will be registered for Convention activities. Members of the Chapter will operate the Memorial Station W2MM during both the Convention and the second section of the QCWA QSO Party early in October. If you have made a contact with W2MM and want a handsome QSL, send your QSL card with a SASE to the address at the following address:

1550 Gay Road, #206
Winter Park, FL 32789-2955
Secretary, Chapter 45, QCWA

One of the problems of putting on one of these Conventions is that it is organized and conducted by amateurs (no pun intended). Each group, though they have a guideline booklet from QCWA HQ, has to struggle to get all the myriad details in place before the Convention date. We can testify that one year is not long enough to really do the job comfortably. We have been fortunate that the manager of the Hotel selected for the Convention is a ham, John Allen K8GHE. He is not only very knowledgeable about conventions in general, and willing to share his expertise, but was amiable to things like antennas on the roof for the W2MM operation.

Chapter 45 holds a luncheon meeting the third Wednesday of every month at the Piccadilly Cafeteria, 1840 East Colonial Drive in Orlando Florida. Members usually begin to gather at about 1130 hours for lunch and fellowship. The business meeting begins at 1230 hours. Any ham in the area is welcome to join us. The Chapter operates an open repeater on 147.195 MHz with a scheduled net at 1930 hours local time Tuesday evenings. If you are in the Orlando area, drop in.

Paul Turner W1DLP

Chapter 46, Founders

The Founders' Chapter 46 held a meeting/luncheon on June 19,2002 at the United Nations building in New York City. Thirteen members and guests enjoyed a spectacular buffet meal in the UN Delegates Lounge that had an international menu with something for everyone there.

After the luncheon, Chapter 46 President, John Weber KA2IXW, called a meeting and election of officers. The following members were elected;

President - John Weber KA2IXW, Vice President- Sy Yuter W2NBT, Secretary/Treasurer- Frank Lauri W2IX.

Directors: Hank Schickler W2ICW, Harry Moore W2JQS, Hugo Landerer W2IGH, Lou Leonard WA2UIJ, Dick Robinson W2OZA. After the meeting, Alain Moerenhout ON5HE, gave a wonderful talk about the history of the UN, the Amateur Radio Station,4U1UN, and an exciting tour of the communications and delegates facilities. Alain is the chief of broadcast operations and conference support at the UN. We were all amazed by the extensive audio/visual recordings and publications the UN creates in many languages for teaching and learning for the general public. For many of the members present, this was by far one of the most interesting and exciting QCWA meetings attended.

Frank Lauri W2IX – Secretary/Treasurer.

Chapter 51, Tex-La Golden

Our monthly meetings this quarter were held at Dorothy's Front Porch Seafood Restaurant with 20-25 members and guests present. This quarter we had no formal programs – just good fellowship.

Dub George W5DUB - Bulletin Editor

Chapter 53, Suncoast

We regret to report that Chapter 53 lost two of its most faithful members during the Summer. Suncoast Chapter 53 Director Dick Dean N4RD was taken from us quite suddenly on 31 May in Sarasota Memorial Hospital. On 09 June, Don Hekking W8OZT passed away in Manatee Memorial Hospital. Don had received his 65-year license pin and certificate at our November 2001 meeting. The loss of Dick and Don is significant. During the Summer months a number of our members got together for informal lunches at the Marco Polo Oriental Buffet in Venice, FL. We kicked off the 2002-2003 season with our 03 October luncheon meeting. Following a short business meeting, Bob Officer WA6WAY told us of some of his experiences refurbishing his 51' trawler, the Amanda K. The boat has quite a history which Bob revealed, along with his tales of sweat and labor. Suncoast Chapter 53 has a luncheon meeting the first Thursday of every month—October through May—11:30 AM at Denny's, 3701 Bee Ridge Road, Sarasota, FL. All QCWA members living in, or visiting, the Florida Suncoast area are always welcome!

Jack Sproat W4JS – President

Chapter 63, Central Oklahoma

Our Chapter met on the 20th of July 2002. This was in conjunction with the Ham Holiday which is held in Oklahoma City, every July. We had a good turn out For our meeting. Gray Harrison the QCWA National President was present.

We were happy to present to the following with Years Licensed Certificates:

George Bunce Sr. W5DKC 70 years (1932), Bill Wesenick W5NQF 70 years (1932), George Lagaly W5NTL 55 years (1947), Charles Neal W5NRI 55 years (1947), Gil Wood W5NUT 55 years (1947), Willard Henderson W5UZV 50 years (1952), Ray Miller W5REC 50 years (1952), Jerry Rader W5UGM 50 years (1952) and Robbie Runyon AA0O 50 years (1952).

The Century Certificate was given to:

Ray Miller W5REC from Enid OK.

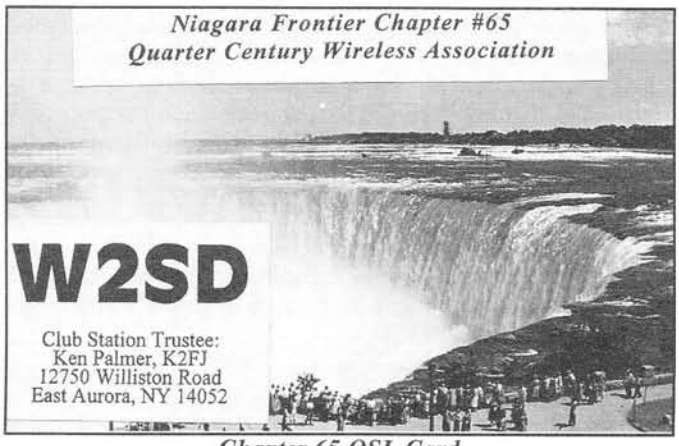
Our Chapter has also had some Silent Keys since we last reported. The Chapter membership is now standing at 117 at this time. We have an on the air Meeting every Sunday at 0800 hours on 3855 KC's on LSB. On September 15 we had an all time high of 61 members and guest checking in. This makes 6 weeks in a row now that we have had 50 or more check ins. Chapter 63 has members in the states of OK, TX, KS, MO and KY.

We of Chapter 63 are proud of the fact that we continue to grow and are a service to the Amateur community.

Norman M. Wilson W5FLO - Secretary/Treasurer

Chapter 65, Niagara Frontier

An enjoyable time was had at the Chapter 65 Summer picnic in July at Dan's (N2DC) and Rita's home in East Aurora. Plenty of food. The weather was beautiful too.



Chapter 65 QSL Card

I'd appreciate hearing from you DX'ers with some of your QSO's. It would make interesting reading in the Journal. Let me know of any special events that happened with any of you.

Ten meters started opening up to world-wide DX the end of September. A fun band.

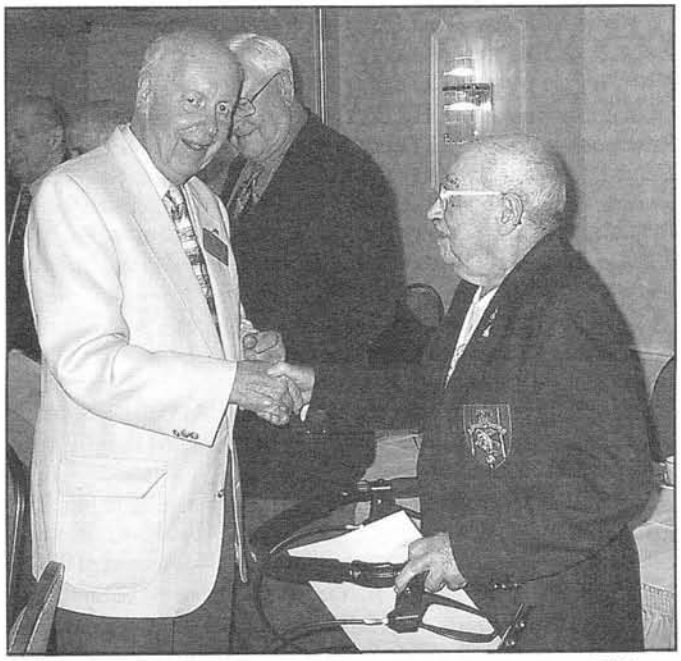
Hopefully some of our chapter members participated in the QCWA QSO Party on 5 October.

If any QCWA members have worked the club station W2SD, request our nice colorful QSL card.

Kenneth R. Palmer K2FJ - Secretary

Chapter 70, National Capital

At our September 17 spouses night dinner meeting held at Best Western Macies Hotel we had 63 members and guests in attendance. At this special annual event, year pins were presented to eleven members of Chapter 70 who have been amateurs for 45 years or more. Receiving year pins were John Gilbert VE3CXL - 45; Ken Holt VE3VC, Gerry King VE3GX - 50; Keith Bedal VE3GFI, Ralph Cameron VE3BBM, Bruce Wightman VE3EDR - 55; Eric Ilott VE3XE, Rod Newkirk VA3ZBB/W9BRD, Ted Turner VE3LV - 65; Jim Jarvis VE3TI, Bill Rieveley VA3AJW - 70



Croft Taylor, VE3CT presenting a 70 year pin to Bill Rieveley, VA3AWJ.

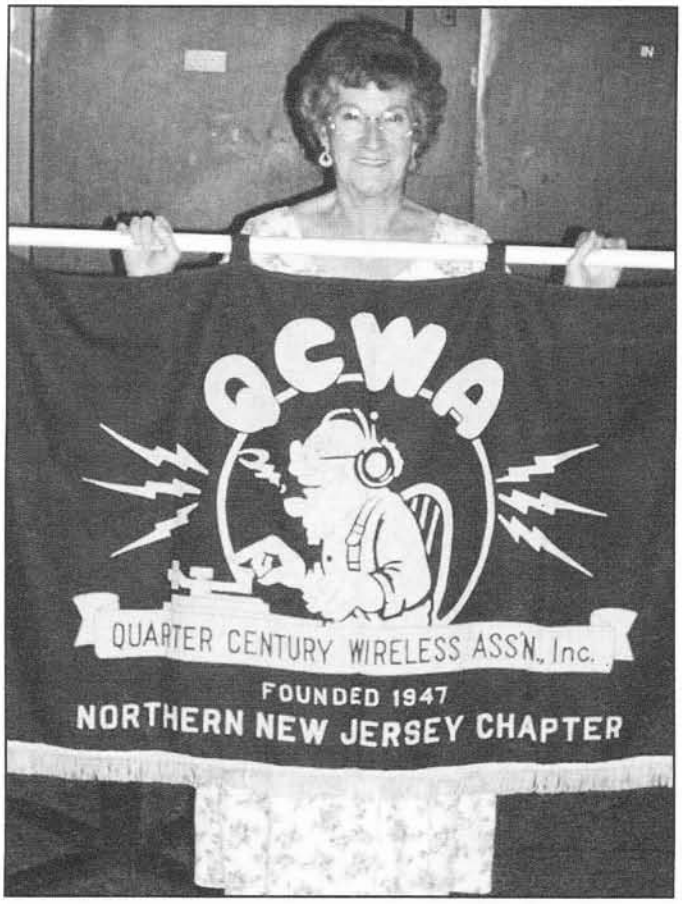
Is amateur radio magic? The students of G.L. Comba, Glenn Tay and R.Tait McKenzie public schools where Neil Carlton VE3NCE has been their teacher think so. For the past 10 years Neil has used radio in the classroom as part of science and social studies and after school programs. Through the magic of short wave listening, his students became involved in a broadcast from Ecuador which resulted in 32 reception reports being sent to them from around the world. They visited the Canadian Museum of Science and Technology where amateur station VE3JW is located. Each of the students had a turn on the air. The kids thought it was cool and the parents were most impressed. Last year through an anonymous donation Neil was able to get an HF transceiver and vertical trapped antenna installed at his school. The Radio Club has attracted a wide range of students who think it is magic to talk from room 22 to someone in Spain. Then on Nov 23, 2001 at 5:46 AM their school became the second Canadian school to talk with an astronaut in the International Space Station. 400 people in the gym listened in to selected students asking questions and to the astronauts' reply. Each student received a special plaque for that magical moment made possible by amateur radio in the classroom.

Chapter 77, Northern New Jersey

Chapter 77 meetings are still being held every even month at Mario's Restaurant, Clifton, NJ. Attendance has been sparse with just a few hardy core of folks making the scene. We will be considering a change of meeting days and possibly reducing the number of meetings to quarterly sessions. Recently we had Richard "Doc" Prester WA2IFS presenting his collection of Old Time Radios and paraphernalia. I'm too young to remember these handsome pieces of the past. (NOT !!!).

Richard "Doc" Prester WA2IFS

Chapter 77 Pres Bill Fisher, K2GVC



Jan Scheuerman, WA2YL

We also had the pleasure of South Florida Section Traffic Manager, Jan Scheuerman WA2YL attending. She has been up North while the Robins have returned from Cape Canaveral. As you can see, she makes a super banner post. Unfortunately for us, the Robins have left town and so must she. Chapter 77 president, Bill Fisher K2GVC wishes to encourage members to participate in Chapter luncheons.

Gene Filipponi AG2R - Secretary/Treasurer.

Chapter 81, Long Island

Our last meeting was held on June 18th, unfortunately without a speaker. For this coming meeting however we secured the speaker who several times before graced our meetings.

Museum visits have been discussed and our president will investigate the details, such as times costs etc. At our last board meeting the nominating committee put together a slate to be presented to the membership and also to invite possible other candidates Activity in the summer was very slow and now that Fall has returned we expect greater participation"

H.F Milatz - Secretary

Chapter 91, Vic Clark

July 20: VA-Task Force 1, Fairfax County's Urban Search & Rescue Team

Virginia Task Force 1 (VA-TF1) is a FEMA Urban Search & Rescue (US&R) Team made up of equipment and personnel from Fairfax County's Fire and Rescue Department. It is one of many such teams now established throughout the U.S., but only two are certified for international deployments. Those two teams are VA-TF1 and FL-TF1; the latter is from Miami-Dade County, FL.

Telling us about VA-Task Force 1 was Frank Stoda, KA4TRG. Frank is a Communications Specialist for the team, as well as the manager/engineer for the county's Public Safety Radio System. Frank used photos from four major incidents to convey a bit of what it is like to serve on this crack team:

* U.S. Embassy Bombing in Nairobi, Kenya, August 1998 * Earthquake in Izmit, Turkey, August 1999 * Earthquake in Duzce, Turkey, November 1999 * US Pentagon in Arlington, VA, September 11, 2001

VA-TF1's web site at http://www.vatf1.org provides excellent coverage of the team and its activities, including detailed mission reports and pictures. Click on the button "mission reports," and you will be treated to excellent stories on eleven missions, including the four missions above, all written by team leaders or members. They make for compelling reading.

August 17, 2002: Vic Clark Chapter 91's Annual Picnic

The food was plentiful and delicious, conversations relaxed, and a good time seemed to be had by everyone, despite the fact that the day turned out to be very warm and humid. Our hosts, Lew (W4SWP) and Marolyn Bradley, were prepared: they not only have a well-shaded back patio, bar, and barbeque area, but also an air-conditioned two-car garage.

Some folks rotated between outdoors and in, while others just stayed in where it was cool. When the time came for the entertainment, 28 members and guests gathered in the garage with plenty of room for everyone.

Jim Wilcox, W3W(est)V(irginia), had written up a number of great trivia questions that he parceled out to six different competing teams. Some of the questions dealt with things that radio hams should be able to figure out, other questions tested cooking or sewing knowledge, and being a fan of 1950s radio programs proved an advantage. The questions and team assignments were randomized so if you ended up in a group of all guys and the questions were about the finer points of sewing, tough!

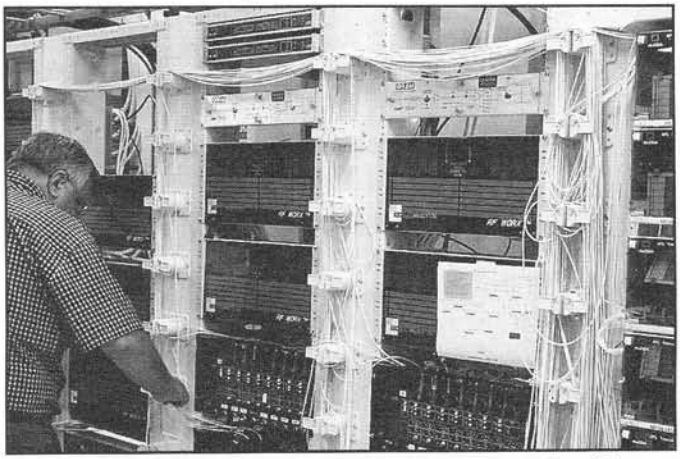
It was a relief to discover that "West Virginia" was the answer to any question asking in which state some famous celebrity was born ...except when the answer was "Kentucky." Prizes were awarded to members of the winning team, despite a chorus of protests from the others that the winning team had cheated.

September 21: Tour of Cox Communications' Metropolitan Transport Center (MTC)

The MTC collects TV programs from a variety of sources and distributes these to Cox cable TV subscribers, and it also provides Internet access for those who subscribe to Road Runner, its high-speed cable data service.

In 1999, Cox Communications bought a 20 year old, 9000 mile, twin-coaxial-cable TV distribution system from Media General. This system serves the County of Fairfax, VA, and the Cities of Fairfax and Falls Church, a largely metropolitan area of over 400 square miles. More recently, Cox has been engaged in a major upgrade in order to improve the system's reliability and to provide a variety of digital video, digital voice, and high-speed data services to homes and businesses within the area.

The first step in the upgrade involves paralleling the existing analog coaxial network with a new fiber optic network that extends from the MTC to the many nodes that distribute cable services to individual subscribers. For cost reasons, the services provided from any node to individual subscribers in the new system will still be via coaxial cable. New all-fiber networks are being installed for special users, such as fire stations, police facilities, public schools, and other government entities. The head-end equipment for both the old twin-coax and the new optical fiber networks is located in Merrifield, VA. It is housed in a windowless two-story building known as the Metropolitan Transport Center (MTC). The MTC sits at the foot of a 320 ft. high, red-and-white, tower bristling with antennas and is bounded on its south side by parabolic receiving antennas aimed at broadcast satellites in Earth-synchronous orbits. The twin-coax distribution system will eventually go away, but will remain operational until the upgrade to fiber optics is complete.



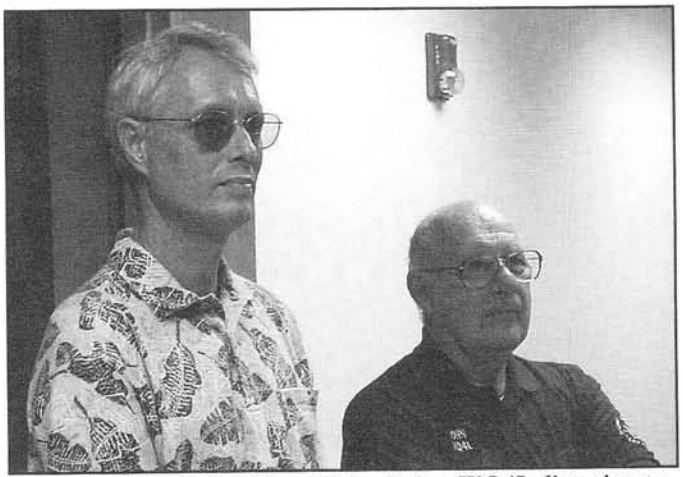
Terry Hines, N4ZH, inspecting the glass patch cables connecting the laser transmitters and the network fiber on the pole lines.

Charlie Morris, W4YUR, a Senior Video Technician for Cox, was our tour guide. Charlie was such a fountain of good info, and our 26 members and guests who attended asked so many questions, that the tour took an hour longer than time allotted.

For more on all these events, including photos, see our website:

http://homepage.mac.com/rrucker/chapter91.html

Dick Rucker KM4ML



Jerry Kelleher, W4ZC, and John Reiser,WQ4L, listening to the tour guide Charlie Morris,W4YUR.

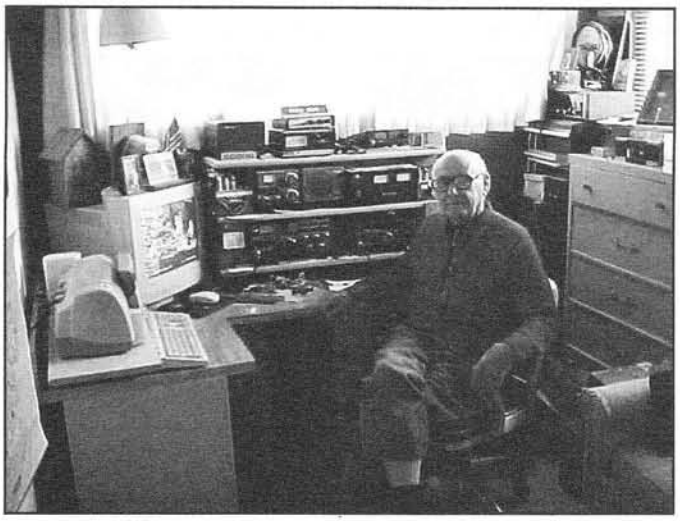
Chapter 102, Dakota

Chapter members participated in the Heart of the Black Hills foot race in July. Ham radio operators manned 2-meter communications at 8 aid stations along the 10-mile course. About 72 runners participated. Frank, NUØF presented the chapter's Traveling Special Event Trophy for 2002 to Roger, KØROG at the Crazy Horse ARC meeting and dinner held in the Laughing Water Restaurant located at the Crazy Horse Memorial Visitors Center. Plans are in the works for another special event operation in February 2003 to mark our 26th year as a chapter. Buck Potter's, KØODY 80 meter antenna is still down; he hopes to get it back up soon and be able to again start reporting into our Sunday

morning net. We would like to welcome our latest member John, WØAZJ to our chapter and QCWA. Cory, WØYMB is retiring after 17 years as the ARRL South Dakota Section Manager. Frank, NUØF is one of the instructors in an evening ham license class, which started September 12th, he is teaching CW, communications procedures, rules and regulations.

Who's Who in 102.

Roger Kehm, KØROG. General Class License. QTH Sioux Falls, South Dakota. Former calls are KØTIB and NØHCR. In the early afternoon on Sunday, December 7th, 1941, he had an appointment and knocked on the door of a Ham who was helping him study for his license. After several knocks the ham burst thorough the door and announced the Japanese have just bombed Pearl Harbor. He was on the air until the Hams went silent that afternoon for the duration of the war. They then studied a bit more and he passed the license exam a week later. In those days, separate operator and station licenses were issued.



KØROG at his station operating position.

Roger was first licensed while a senior in High School on March 20, 1942. Just an operators license, WWII was on and no station licenses were issued. Consequently no station call letters were issued because of the war.

He served in the US Coast Guard in the South Pacific during the war at a Loran Station. After the war Roger graduated in 1950 from the South Dakota School of Mines with a degree in Electrical Engineering. Retired as Division Engineer from Northern States Power Company in 1985.

His current station equipment consists of a Kenwood TS-450 with TS-180 and TS-130 as back-ups. 2 meter Kenwood TM-2550 and TM-2570. He also has Yaesu and Icom HTs. Antennas are a TA-33 TriBand Beam, 5 band trap dipole, G5RV and a HF band vertical.

Roger is an ARRL member, Public Information Coordinator for SD Section and QCWA member serving as Dakota Chapter 102's Vice President. He is active on various state phone and CW (using a WW II USCG bug) nets and a rag chewer. He is a member of the Sioux Empire, Tri-State ARCs and is active in the Masonic and Shriners Organizations. During the summer his operating QTH is in the Black Hills of Western South Dakota were he is a part time railroad host on the 1880 train in Hill, City SD. During the winter months he moves back to Sioux Falls. He retired to volunteer work and having fun. "There's life after the corporation!"

Frank Shaw, NUØF, President, Dakota Chapter 102

President Frank NUØF, presenting a special event travelling trophy to Roger Kehm KØROG.

Chapter 110, Kansas

The QCWA Chapter 110 meets on August 18, 2002 at the ARRL Kansas State Convention in Salina Kansas. There were 29 members present.

Gary, WAØEAF called the meeting to order at 2:00 pm. The agenda was approved. The minutes were approved. The treasure report was approved. Secretary/Treasure, Alvin, WAØYXK did this.

QCWA President Gary Harrison KØBC (third from left) is pictured with members of the Chapter 110 election committee.

The next meeting of Chapter 110 will be in Concordia, Ks. Sept 14, 2002 at 6:00 pm. The last meeting of the year will be held at Hays, KS. On November 2, 2002 at 12:00 noon the location to be announced on the QCWA net on Sat. mornings at 7:30 am on 3920 KC.

Bruce Frahm KØBJ gave a report on the possibility of having a Wouff Hong induction in the future.

The election committee was appointed. The members are David L. Hays, WØFCL, Chairperson, Terry F. Brenzikofer, KØUAS and Edwin Pick, WØBBM.

The QCWA Chapter 110 guest was Gary Harrison, KØBC National President of QCWA some of his comments follow: He suggested that all members subscribe to the QCWA reflector. He discussed the QCWA boards thoughts on the new frequency allocations that are proposed. The board is in favor of the new allocation. He encouraged all Chapters to develop Web Sites. He complemented the local Chapter on there recruiting efforts

Chapter 112, Yankee

Our Annual Meeting was held on April 20, 2002, at Dewey's Restaurant in Lakeville, MA. Thirty-three members and guests attended. The meeting was called to order by the President, Fred Ravens, K1QLG. After our meal, a business meeting was held with Secretary/ Treasurer reports, presented by Chuck Walbridge, K1IGD. A change to the chapter's by-laws was approved by the members. The change allows the Secretary to grant Chapter Life Membership to any member receiving a 75-year Anniversary Award from National. The National by-laws were changed last year to grant Life Membership to any member, not currently a Life Member, when receiving the 75-year award.

Since this was our annual meeting, new officers were elected for 2002-2003. Those serving are:

President, Charles Lukas W1DOH, Vice-President Bob Wallace W1HH, Secretary/ Treasurer, Chuck Walbridge K1IGD, Activity, Harry Ketler W1DGD, Net Control, Dave Rego W1GCA and Sunshine Fund Administrator, Bob Smith W1XRA.

Thanks to our out-going President, Fred Ravens K1QLG, for his two past years of service. A gift of appreciation was presented by the new President, Charles Lukas.

Several Anniversary Awards were presented at the meeting. Receiving 50-year awards were: Chuck Walbridge K1IGD; Robert Wood W1VYI; Peter Card W1WDD. 55-year awards to: Joe VolpeK1JV and Merrill Budlong W1MB. 60-years: Ernest Bosselman W1DO. Congratulations to these members. The photo shows K1IGD and W1DO with their awards.

After presenting the door prizes, the meeting was adjourned at 2:30 PM.

On May 9, Chuck K1IGD, attended a meeting of the Fidelity Amateur Radio Club that was held at the New England Wireless and Steam Museum, and presented the 55-year Anniversary award to Merrill Budlong W1MB. Merrill was the founder of the club and members were celebrating his 90th birthday, which was the 21st of May. Thanks to the club for the invitation.

Chapter 115, Chattanooga

The Chattanooga Chapter 115, QCWA met Thursday July 25th for our second meeting of the year at the Town and Country restaurant. Present were 22 members, wives and guests. After a good meal, Mr. Tony Martin, W3FOA, described some of the countries that he had live in and operated from during his tour of duty with the U. S. Air Force. He was a great speaker.

At the meeting, we held our much postponed election of officers. The new officers for 2002 are:

Tom Wolfe K4CMY – President, Charlie Wheaton KJ4RC - Vice President and Charlie Curle AD4F - Secretary, Treasurer.

The members voiced a big thank you to the absent Joe Duncan W4ECW, who was ill, for the many years of service to the club as the Secretary/Treasurer.

Also at the meeting, President Tom Wolfe K4CMY, presented Charlie Curle AD4F, with his 50 year continuously licensed certificate.

From left to right: Charlie AD4F receives 50 year continuously licensed certificate from chapter president Tom K4CMY.

The next meeting is planned for October, 2002.

Charlie Curle AD4F - Secretary

The journey of a thousand miles begins with a broken fan belt and a leaky tire.

Chapter 120, QCWW

Since this column seems to be our only Chapter communication, let me explain again the problem. When I was elected Chapter President on the QCWA Cruise, I received NO TURNOVER. In spite of several requests I have NOT received a roster of members of our Chapter. My request to hear from YOU in this column in a prior QCWA Journal resulted in ONE note from a NON YL, with some questions.

This chapter is doing nothing BECAUSE with no communication between members; your Chapter President does NOT know who the members are. With no turnover there is no continuity. If YOU care please take time to drop me a note. Is any member planning to attend the QCWA Convention in 2002?

If no chapter annual reports are being filed, and no members identified, this Chapter is sinking fast. Send notes via the OM K1ER@arrl.net.

Aloha Joan KA4DPW

Chapter 122, Lake Erie Tri-State

The summer meeting was the 23rd anniversary year of Erie Tri-State Chapter and members met for a luncheon/meeting at Hoss's Steak and SeaHouse in Erie, PA. The event was attended by 18 members, spouses and guests. .

Following the luncheon, Art Kunst, W3WM, incumbent QCWA Director seeking reelection, addressed the group concerning the recruiting of new members by various programs and at hamfests. He offered suggestions in response to specific questions. Jack Parsons K3QTY, of Chapter 6 in Pittsburgh, set-up a display table of his collection of early model telegraph keys.

Century Club Certificates were presented to six members. Recipients of the award were: Clarence Moser W3RlJ, Sid Stacey W3MMJ, Bart Geer, W3SN, Ed Nies K3ABG, Joe Yusz W3KKT and Paul Gerbracht W3QPP. Sharing the limelight, but in a different category was Bob Platz KB3GYR, newest member and his XYL, Mary Ann.

Lake Erie Tri-State Chapter 122 presented Century Club Awards. From Left to right: Clarence Moser W3RLJ, Paul Gerbracht W3QPP and Joseph Yusz W3KKT.

Lake Erie Tri-State Chapter 122 presented Century Club Awards. From Left to right: Sigmund Stacey W3MMJ, Hobart Geer W3SN and Edward Nies K3ABG.

QCWA Director addresses members and guests. Left to right: Chairman/VP – Jerry Owens W3GHO, Jack Parsons K3OTY of Chapter 6, QCWA Director – Art Kunst W3WM, Sylbia Kunst and Doris Gerbracht.

Door prize winners were: Sylbia, XYL of Art; she won a ten piece stainless steel cutlery set; Jack Parsons K3OTY, received a Swiss Army knife; Ed Nies K3ABG won a grooming kit; Joe Yusz W3KKT, a red neon numerals collectable pocket calculator; Jerry Owens W3GHO, a stationery set, and Dick Quiggle W3NGO, a leatherette memo case. A quirk in a previous report gave a sk's call sign - not Dick's!

A pleasant social period of informal discussion and general eyeball rag chew followed before the group departed for their destinations.

G. Paul Gerbracht W3QPP - Secretary/Treasurer

BE Informed! *By W3BE.* Obtain approval from the master of the ship or pilot in command of the aircraft on which you intend to install your station. See Section 97.11(a). Make certain that that the station complies with the interference requirements in Section 97.11(b) and the hazard provisions in Section 97.11(c).

Chapter 126, Piedmont

The June 29, 2002 meeting was held in Denton, NC at the Classic Restaurant. There were a total of 21 members and guests for the QCWA meeting. The officers met with the following officers present: Chuck Brydges W4WXZ - Treasurer, Joe Brown W4ONJ - President, George McBride W4DGJ - Director, John Covington W4CC - Vice-President and Gary Howell WB4BMJ - Secretary.

Charles Layno W4CL was our special guest for the Denton meeting. Charles is the transmitter supervisor of WGHP television, Channel 8 in High Point, North Carolina. As you may know, most of the conventional television stations in the United States have been or are being converted to transmit digital television signals. High Definition Television (HDTV) signals are simulcast in most locations until conversion is complete. He presented an excellent program about this new TV transmission mode. He is an amateur extra class radio operator, also a volunteer examiner.

Quarterly Net Report for Chapter 126: March 30th through June 29. NCS George McBride, W4DGJ.

Total Nets 14 - Total Check ins 177 - Avg. per net 12.6

Member with 100% Net Participation: K4EMN Tony Elia... SUPER!

Members who missed only one net: N4UH and KIAF

W4DGJ George McBride has volunteered to serve as the NCS of the summer nets July to Sept.. A special well done to George for the excellent nets he held during the past three months and again being the NCS for the summer.

Chapter 134, Pine Tree

The Annual Meeting of the chapter was held in Auburn, Maine at the Village Inn Restaurant on September 14, 2002. There were 19 members and guests in attendance.

A report on the finances for the year was given by the treasurer. The Chapter voted to make its annual contribution to the QCWA Memorial Scholarship Fund in memory of our Silent Keys.

Several QCWA Anniversary Awards were ready for presentation. Those eligible were W1EXZ, Robert Curtis 70 years; N1RP, Richard Perkins 65 years; W2NYU, Arnold Rand 50 years.

The 50 Year Award was presented to W2NYU by W1KX the chapter president. The other recipients were unable to be at the meeting. Their Certificates will be mailed to them.

N1KAT has assured us of a place for the March 2003 meeting at the Maine State ARRL Convention in Lewiston, Maine, the last Saturday in March.

The meeting date and place for the December meeting was discussed. The meeting will be on the first Saturday in December, the 7th in Augusta.

After the door prize and the 50/50 drawing was awarded the meeting closed at 1:59 PM.

Philip M. Young W1JTH - Secretary/Treasurer

WNYU receives his 50-year award from W1KX

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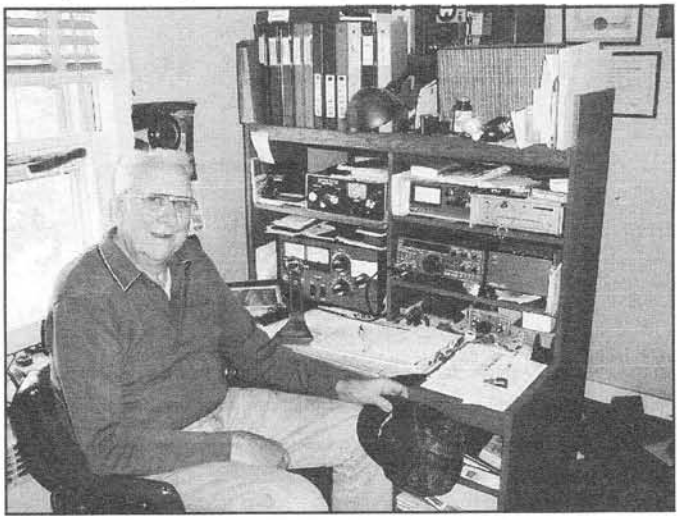
Chapter 149, Nutmeg

Chapter 149 regrets to report that Cal Bennett, W1KHL, became a Silent Key on the 20th of July, 2002. He had been Activities Manager and Net Manager of the Chapter for several years, and had single handedly managed our quarterly luncheons for at least twelve years, which is the farthest back that my records and recollections extend. A large contingent of Chapter members attended his memorial services on July 25, at the Wilton Congregational Church.

Cal was the "old reliable" worker, who took on responsibilities and then got things done. He visited restaurants around the state, negotiated menu choices and prices, wrote detailed directions for travelers from all over Connecticut to find the place, and delivered all this information to the editor in time to be incorporated in the quarterly newsletter, The Receiver, for distribution to the members as the call for each of our meetings. He always beat my deadlines by wide margins.



Cal Bennett, W1KHL

I am going to miss Cal; the whole chapter is going to miss Cal. At the moment it appears that we will have to recruit about four or five of our members to carry on the work that he has been doing. I had to deal with the restaurant manager regarding the recent meeting, which Cal had arranged, and when I mentioned that Cal had done the negotiating for us, the man said, "He sure as hell did."

Cal was a wonderful person to work with, truly a gentleman, always cooperative, a stickler for accuracy in all important details, and fully dedicated to the job of Activities Manager. He also held the position of Net Manager, and ran a great net every Sunday morning, with an average of about 15 or more check-ins. It was truly a pleasure to work with him.

Don Steele W1NFG - Secretary and Editor

Chapter 151, Wild Rose

We attended Radio Amateurs of Canada 2nd National Convention held in Vernon, BC July 26-29, 2002. Many visited our booth, including Jay Hyman W2CSS President of the New York Harbor Chapter 208.

We held our Annual Dinner Meeting in Calgary at the Royal Canadian Legion 264 on September 21st with 31 in attendance. The buffet meal was great and so was our guest speaker Gene Lukan, who is retired RCAF and engineer with the Canadian Space Agency, giving a very interesting Powerpoint talk on the past, present and future of the International Space Station.

At the dinner meeting we honored members with long service in amateur radio. These were Ken Yeatheard - 65 years, Don Stewart VE6DS - 65 years, Les Card VE6CA - 60 years, Grant Heimbecker VE6GH - 55 years and Earle Smith VE6NM - 50 years. As well former Secretary Bruce Collisson VE6BAC was awarded the coveted Meritorious Award. Congratulations to all!

Elections were held for Chapter Officers for the next

RAC Second National Convention - Vernon, BC. Left to right: Ken Oelke VE6AFO - President QCWA Wild Rose Chapter 151 and Jay Hyman W2CSS - President QCWA New York Harbor Chapter 208.

term. Elected by acclamation; Ken Oelke VE6AFO for President and our new Secretary/Treasurer, taking over from Les Card VE6CA, is John Smith VE6AI. Les Card has served our Chapter many years as President prior to Ken Oelke VE6AFO. We thank Les for his tremendous contributions to the Chapter.

We are happy to report the Chapter's membership has increased substantially since our last report. Chapter 151 is now accepting "Friends" of the Chapter for those not yet licensed 25 years. This is a great way of introducing these radio amateurs to QCWA while they wait out their time to become full members in the organization. We also hope and wish that some of our former QCWA Life Members will once again consider joining up with our Chapter. We are having FUN and that is what it is all about!

Les Card VE6CA - Outgoing Secretary/Treasurer

Chapter 154, Leo Meyerson

The summer months are drawing to a close as are the chapter's dark months. We hope that all our stay-at-home members as well as our snowbird members have an enjoyable vacation, wherever they went or did.

October 17th will be the first of our monthly luncheon meetings, held as usual at Marie Callendar's Restaurant in Rancho Mirage. Our guest speaker will be Barry Pessis N6NUT (now there's a call) who's talk will be an introduction to IRLP. Originally started in Canada, now world-wide, and one of the latest innovations to broaden the scope of amateur radio. At the November 21st luncheon meeting we will hold our election of officers for the coming year, 2003. This meeting will also be a social get-together with no speaker scheduled. We will be dark in December, participating with the other ham clubs in the Valley for the annual pot-luck Christmas party.

George M. Underberger W6WAS - President

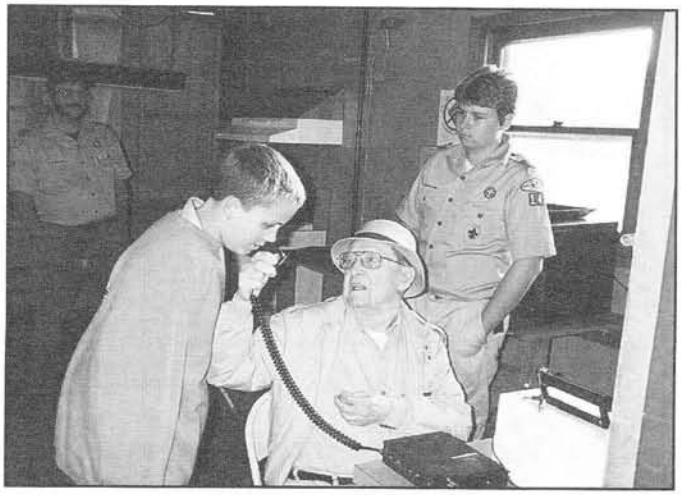
Chapter 162, Southeast Wisconsin

It is with a sad heart that I report Chapter member Fern Fisher, W9LCJ, QCWA # 22869 has become a Silent Key. Fern was called home a month short of her 83rd birthday after a long series of medical setbacks. First licensed in 1954, Fern was very active with the Civil Air Patrol, community aviation groups and the local Amateur Radio clubs. Fern served as a member of the ARRL test team, as a communicator in many area community projects and a stabilizing force while Secretary for the Lakeshore Repeater Association. A featured article on Fern appeared on pages 50 and 51 of the Fall, 1999 Journal. She will be missed!

A community event at summer's end, billed as a "Mass Casualty Disaster Exercise", saw a Tornado touched down on a sunny afternoon with a clear blue sky, in extreme southeastern Wisconsin Kenosha County. The realistic exercise included 250 Boy and Girl Scouts, CAP, Explorers, emergency responders, Flight for Life, Law Enforcement Agencies, and a Canine Search and Rescue Group jointly participating in a real life simulated event. The worth of Amateur Radio operators was drilled home when the communication abilities of Hams became apparent as emergency responders' mode of communications broke down. It seemed that each department operated on a different frequency. To share information and communicate with one another, each "emergency responder" unit had to pair with a Ham to pass their traffic. According to Dave Voss WB9USI, a long time ARES member, "you could see the emergency responders intently listening to the hand-held radios of ARES members. The reports coming in were concise and accurate."

WB9RGO and CAP students

K9AKH giving code instruction



W9LDH with scouts

The day began at 8:00 AM with the scouts attending four out seven-offered emergency preparedness demonstrations. The hands on equipment available limited the Amateur Radio groups to 15 scouts per session. Half the scouts learned the finer points of CW using code oscillators and a "cheat sheet" listing the code symbols of the alphabet and single digit numbers; while the other half had the opportunity to converse with some local Hams via a two-meter repeater. Everyone had a great time and an interest in Amateur Radio was sparked in several of the scout participants I have been told. The classes conclude at noon in time for the scheduled arrival of the "tornado". Sixty scouts and leaders had been

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Our thanks to Tracy Reese, WB6TMY, who fell in love with this era of amateur radio and conceived and furnished the art work.

In cooperation with ARRL, the Quarter Century Wireless Assn., Inc, presents this special edition.

"moulaged" (prostheses to appear injured) and some were just lost. Civil Air Patrol had planes searching for the lost/injured. A Flight For Life helicopter handed and transported the "injured". The Red Cross and Salvation Army fed everyone lunch out of their disaster canteens. And at days end, an invitation from the scouts to a barbequed chicken dinner was extended to all participants. Twenty-five Southeastern Wisconsin Ham ARES members assisted during the exercise – seven were Chapter 162 members: Spencer Clope W9LDH, Ron Fox K9AKH, Lloyd Gorsiski WB9RGO, Bob Jensen WØWLN, Chuck Knotek W9GKM, Ed Konicek W9NVK and Herb Ladwig W9PHJ. Special thanks to Dave Voss WB9USI for the pictures. I would like to wish all, a Very Merry Christmas and a Happy, Healthy and Prosperous New Year from Chapter 162 to all our QCWA Families.

Larry McCalvy WA9JMO

Chapter 169, Sacramento Valley

Chapter 169 monthly meetings are held at Carrow's restaurant located at 4601 Watt Avenue in North Highlands, CA. The restaurant is located on the west side of Watts Avenue just north of the Interstate 80 Freeway. Meetings are held on the 2nd. Wednesday of each month.

Our monthly meetings continue to vary widely in subject matter. We had a talk by the noted expert on mobile radio antennas, Don Johnson W6AAQ. Don gave us insight on mobile antennas and their feed lines. We also had a session with stories and ideas about all types of antennas by our individual members. This last month we saw a video about the disappearing coastline around New Orleans, LA.

The last few months the group has discussed changing our meeting day in order to attract new members to the group. It was finally decided to leave our meeting day as is. The group starts gathering around 7 am with a no host breakfast and the meeting starting around 8 am. YLs are always welcome. For any information please contact our President Paul Wolf at (916) 489-8112.

Gary Stilwell KI6T – Secretary/Treasurer

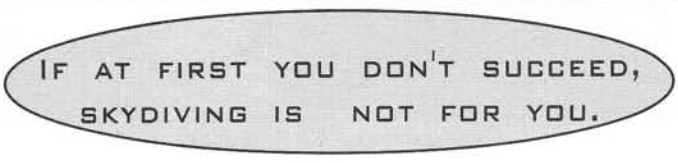
Chapter 174, Oregon

Oct 28th at the Surfrider resort. 18 members and families had delightful luncheon over looking a foggy Oregon Coast. Several were missing either on far flung vacations, jobs, or just plane gone.

Wilma and Richard Phares KB7BQ, gave a rundown on recent trip to England, visiting 7 countries in a month keeping them hopping. They didn't see any beams even in Russia.

Lots of chit chat and we took on two Associate members who will add to the chapters interest as they are active folks.

Hobart Clark W6TCA



Chapter 183, Pioneer

QCWA Chapter 183 met at CJs 2 Restaurant in Monson, MA on July 20th. The meeting place was changed due to renovations being done to CJ's in Palmer. There were many good comments about the new place and several suggestions that we meet here again at the next meeting. Twenty members and guests were in attendance. Our guest speaker was Bert Phillips N1IUM of Greenfield. Bert spoke on telephones and telephone equipment from 1920 to the present day. He had a great display of telephones though out the years as well as old phone books and other telephone literature.

Larry K1ILZ, past President, opened the meeting as President Harold W1EES and Vice President Chuck K1IGU were unable to attend the meeting. The secretary's report was accepted as written in the Pioneer. The treasurer's report was accepted as given.

There was no old business to be discussed. The only new business was a discussion on changing the Sunday morning net time from 10:30 am to 9:30 am. It was decided to discuss it further on the next Sunday morning net to see what those who were not at the meeting, but are on the net, think of the change.

The Board met on September 17th. Harold wasn't able to get a nominating committee so the Board will bring a slate of officers for 2003 to the October meeting. The Board also voted to change the net time to 9:30am starting Sunday, October 13th.

The next Club meeting will be held on Saturday, October 19th at CJ2's, Main Street Monson, MA with fellowship starting at 11:30 AM. The speaker will be announced in another article in the paper.

Pat Smith N1CET - Secretary

Chapter 196, Edison

The summer has come and gone. Our luncheons were host to a smaller, closer knit group of locals that still enjoy a good laugh or a story told over the bread that we break together. I want to welcome David Penezic WA4GUK, to our chapter. David brings with him a lot of experience and friendship that will enhance our chapter's membership for a long time to come.

We are very proud to announce that one of our own has been elected to the QCWA National office as a director. Ed Yoder W3YMB, is now on the board of directors and his insight will benefit all of us.

Chapter Secretary Jan Scheuerman WA2YL, and I had the distinct pleasure of operating at the special event station for the Miss America Pageant in Atlantic City, New Jersey. We spent a whole week there and made hundreds of contacts across the county. Several chapter members were able to contact us at K2BR and wish us well as we did our best to log as many contacts as possible. Someone once told me that I was a lucky guy. To be able to meet Miss America is not only an honor but a great thrill. Jan and I were able to put several contestants on the air and share some of their valuable time with fellow hams. Jan has set up a web site that has a variety of photos from our Miss America 2002 experience. The following address will get you to the site.

Miss Montana on the Mic

http://www.ofoto.com/I.

Tad Burik K3QC - President

Chapter 200, 200 Meters and Down

I have enclosed a few photographs of the folks at Local Chapter 200. The name of our chapter is "200 Meters and Down." Guess that was the name of a famous book back in 1935. By the way, that was a very good year. hi

Chapter 200 meeting.

From left to right: President K4NIK, Secretary K4HFJ, Vice President W4JOI and Treasurer W4NG.

Our meetings are open so it is not unusual to have wives, friends, and visitors at each meeting. We encourage hams that are passing through Gainesville to come join us for the dinner meeting. We have an excellent 2 meter repeater in Gainesville on 146.82 MHz.

Frank W3KT - Past President

Chapter 201, Gem State

The Chapter held its annual picnic with the ISRA group August 18th at Veterans Park in Boise. Lots of food to eat and lots of visiting done by the attendees. Our Meetings are well attended with guest speakers giving talks on various subjects.

From left to right: Gene Pentecost W4IMT (55 Years) and Neil Zimmerman NB7Q, President.

Neil Zimmerman NB7O

Chapter 202, Old Dominion

The Franklin News – Post of Friday, August 16, 2002, published an item about the Chapter's Special Event station commemorating the first anniversary of the dedication of the national D-Day Memorial located in nearby Bedford, Virginia.

Since many QCWA members are also WW2 veterans we thought readers of the QCWA Journal would be interested.

The group made 471 separate contacts, two of which were special. Stan Reas K4UK contacted a special even station TM6JUN, transmitting from Utah Beach on the coast of France. In addition, Frank Gaver KE4HO talked with WW2SUB aboard the USS Batfish (SS310) a World War II submarine permanently moored at the War Memorial Park and Military Museum at Muskogee, OK. Bob Dixon W8HGH employed RTTY, a modern computer version of the old fashioned teletype machine and made 100 contacts in 39 different countries. A postcard depicting the Overload Arch and the Victory Plaza which features the flags of the allied nations that participated in the operations is sent to stations to confirm the radio contact with WW2DDM.

The item was written and submitted by member Larry Stanecker WA2OLP. Chapter members Stan Reas K4UK, Bob Dixon W8HGH, are mentioned in the article. We are planning to sign up Frank Gaver KE4HOA, when he becomes eligible in about 20 years.

Charles E. Beckwith K4BSF - Secretary/Treasurer

Chapter 205, Eastern Indiana

We have had a productive summer including some triumphs, some joys, and sadness. Now that we have nearly everyone at the Extra Class level, the interest has turned to getting everyone signed up as a volunteer examiner. We seem to be pretty close to that objective, and will be in good shape to assist in the examinations to be given locally in October. The enthusiasm being generated in getting qualified as a VE will likely be eclipsed only by the excitement of making it possible for some newcomers to get their licenses at the coming exam session.

A high degree of participation was had at what is becoming the annual special event station K9D at Dougherty Orchards near Cambridge City, Indiana, on the last full weekend in September. The event raises funds for the Ronald McDonald House, from which the title of the event is drawn: â•œMcMaze Indiana 2002.â•• The weather was a bit out of keeping with being the last weekend in summer in that we had temperatures more in the mid-60s, but the cool weather did not diminish the enthusiasm of the operators. This yearâ•™s activity added 20M to our usual 40M operations, and it looks like we will be active on both bands next year. The QSL card shows a picture of the maze for the current year, making it possible to acquire a collection of these special cards over time.

On a more somber note, it is with great sorrow we note the passing of Dorothy Fox KB9JRO, wife of member Lloyd Fox K9KY, on 13 September 2002. Dorothy had been in poor health for some time. The Chapter was well represented at her funeral on the 17th. We hope to be a source of support for Lloyd in the days ahead, knowing our friendship cannot fully fill the gap left by her passing.

John F. Strain W9MIU â•" Secretary/Treasurer

Chapter 206, Honolulu

The monthly meeting YES MONTHLY meeting is held on the last Friday of every month at the Sizzler Restaurant at Pearl Ridge. Every day in Hawaii is wonderful, 75 to 85F, flowers in bloom. Our monthly meetings are over breakfast, and the first members arrive at 0730, but you either order from the menu or choose the buffet so time doesn't matter. Guests are welcome, both QCWA visitors to Hawaii and those not yet in QCWA.

We had a new member join QCWA and the Chapter. Welcome Peter Demmer KH6CTQ who has been regularly attending as a guest. Peter is an avid builder and collector of vintage equipment. You'll remember some of his construction projects from the photos in prior Ch 206 reports.

If you are visiting Honolulu near the end of the month and want to meet some warm weather QCWA members, come to our meeting. The food and coffee and company are good. Aloha.

John K1ER

Chapter 207, NOS AM

Caption not available

See article and pictures of Chapter 207 AM Only Special Event Station on page 38.

THE JOURNAL IS AVAILABLE FREE TO BLIND PAID-UP MEMBERS ON AUDIO CASSETTE TAPE. FOR MORE INFORMATION, CONTACT

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(tfcarten@kings.edu)
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Chapter 209, Helvetia

QCWA Chapter 207 Puts AM Only

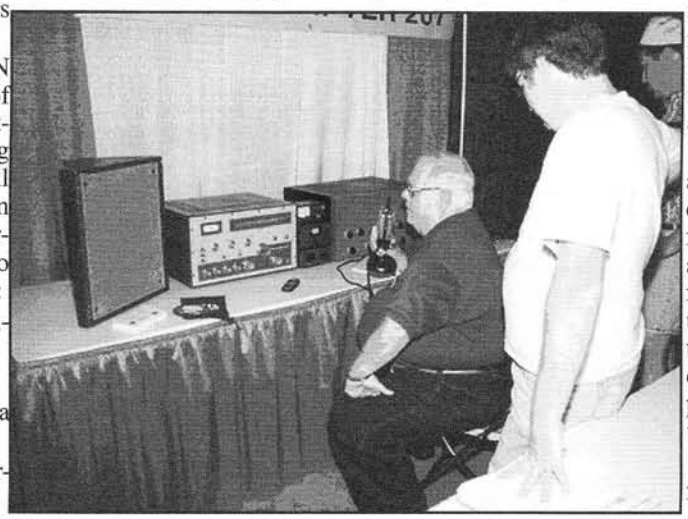
Special Events Station On the Air

By Mike Cowart WA5CMI – President Chapter 207
wa5cmi@qsl.net

Last April, Chapter 207 discussed the possibility of operating a special event station at HamCom 2002 in Arlington, Texas. Having a station at a major ham fest is probably not that unusual, but having a vintage AM station has probably not been done before. With a station on the air, we wanted to demonstrate to the amateur community how much fun there is in operating the fine old gear in the fine old mode and style. Along with the station, we wanted to display some of the equipment used by our membership. Of course, AM operation is not limited to vintage gear. Many of the modern transceivers do a great job on AM.

Bob Peters-K1JNN took the responsibility of project lead and did an outstanding job of organizing the effort. From the April meeting at the HamExpo in Belton meeting, we determined several things had to be done to ensure success:

* Gathering an abundance of volunteers
* Acquiring a station
* Planning the antenna and station installation
* Establishing an operating schedule
* Organizing the booth to present our chapter and AM in the best light
* Printing QSL cards



Bob Peters Operating W5A with others looking on.

From the meeting many volunteers stepped forward. We organized the volunteers to provide the greatest efficiency by grouping them according to skills and availability: antenna raising, booth planning, equipment acquisition, QSL development, etc.

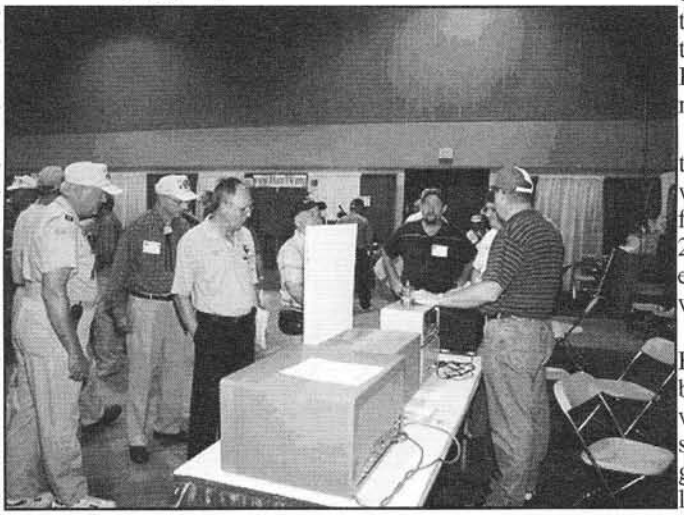
Bob obtained the special event call sign from the W5YI group: W5A.

We acquired a station (not really a hard thing to do), which consisted of a Heathkit Mohawk receiver and a homebrew 100-watt transmitter running a pair of 6146s in the final. This transmitter is very unique, in that it was built from scratch by a now-silent key and was made to look like the E.F. Johnson Viking II. It was slightly larger than the Viking II. The single requirement for the equipment was that it be reliable. In addition to the station itself, we gathered some other vintage equipment for display: a WRL Globe Champion 350A, a Hallicrafters SX-140 with matching HT-40 transmitter, a BC-348 WWII liaison receiver, and a Barker and Williamson 5100B (with the SSB adaptor attached). We also had a collage of pictures of members and their stations done by Bob Peter's XYL.

On the Thursday before HamCom, a few hearty souls met just before noon to put up the antenna on the roof of the three-story building: an Alpha Delta shortened dipole for 40 and 80 meters (82 feet long). This was the lion's share of effort from our volunteers. Using non-penetrating bases weighted with concrete blocks for the three supports, we mounted it 20 feet at the center and roughly 5 feet at the ends above the roof. The roof was approximately 50 feet above the ground. The RG-8X coax from the antenna to the station was over 150 feet run up through an office window that overlooked the show floor, up a flight of stairs into a maintenance room and out a roof access hatch.

Of all the tasks, we paid the least amount of attention to maintaining an operating schedule. This we need to correct for any further operations. We established and published over various reflectors the following frequencies: 3880 kHz from 6 until the band closes, then 7290 kHz for the remainder of the day. We did log, however, over 80 contacts, some of them were participating in Vintage Field Day that weekend.

For the booth, we had made an eight-foot by two-foot banner reading "NOS-AM, QCWA Chapter 207." Because all booths HamCom are uniform, no construction work had to be done. Each booth had two tables: one next to the aisle and the other next to the wall or partition. Our station occupied the back table, and we used the front table to display our vintage gear, literature for QCWA and AM in general, and the collage of pictures of many AMers and their stations. Jane Peters, Bob's XYL, made the very nice collage.



Onlookers at the Booth

No special event station would be complete without QSL cards to confirm each contact. We had 200 printed up so that everyone that made a QSO with W5A will have one.

Many passers by at HamCom stopped at out booth and were intrigued with the old gear and the station. Many old timers began to reminisce about earlier days in their lives when they operated these fine old AM rigs. They enjoyed hearing AM again from the large 15-inch speaker place next to the Mohawk. Newer hams that have never operated this mode

HamCom 2002

Arlington, Texas June 7 – 8 Contact us on 3.880 – 7.290

Sponsored by the New Old Stock AM Chapter 207
Operating on 3.880 @ 4:00 to 8:00 AM
7.290 @ 1400 CST Saturday & Sunday.

W5A

stated how nice the mode sounded and asked many questions: Where can you operate AM? What do I need to get on? Are there any web pages about AM? And so on. The booth certainly raised the interest for AM, and we hope will lead to many newer as well as older hams joining in the fun. Having so many volunteers allowed us to always have two people man the booth and one to operate the station. No one with a question turned away because of someone not being there.

AM operation is not everyone's cup of tea. But no one can deny that AM operation is growing. Locally here in the Texas area, the local frequencies are occupied quite a bit, and new call signs are heard almost everyday. Our special event station was one way to promote both the QCWA and AM. It is considered by the membership to be a success. We look forward to next year's HamCom and the next AM only Special Events Station. Look for us.

Ham Wanna Be Makes Good

-By Bobby L. Brownlee WB5OSD

During my high school vacation of 1974, I was a 17-year old "Ham Wanna be". Trees, LA was about to experience its first ham operator. To change my fantasy into reality, I spent that summer hauling five-gallon buckets of cement and grout for my brother, "The Ceramic Tile Setter".

By the end of the season, my home-brewed workbench had acquired the necessary paraphernalia for my awkward journey into the world of ham radio.

Straight key, code practice oscillator, code type and that all important printed version of the Morse code which I copied directly from an encyclopedia. I was alone. I had no one to tell me not to. I was wise enough to learn the International version.

Eleven days later I added a DX-160 shortwave receiver to my collection of educational devices. Christmas in July!

My first stop on the dial was 40-meter CW. My first major experience with total compounded bewilderment. I was completely lost. Perseverance paid off. Thirty-four days later, I copied my first over-the-air CW transmission. Nine months later, I qualified for the W1AW Code Proficiency Certificate with a first endorsement for 20 wpm. Go figure.

After becoming a "Fuller" member of the Dummies Net, I passed the novice written exam on my third attempt.

On June 19, 1975, after a few light-hearted chuckles I'm sure, Mr. FCC finally allowed my electromagnetic presence on 40-meter CW with a WA5UAJ-constructed HW-16, one crystal for 7125 kHz and a somewhat horizontal dipole.

During my first year I logged 1687 QSOs, WAS 40m CW, first place in LA during the 1976 Novice Round Up and by years end, I had qualified for the Bicentennial WAS Award.

In October 1976, Mr. FCC pulled a fast one on me by marking my General written exam as passed.

In 1979 I became a full member of the Appliance Operators Club with the hamfest purchase of a shiny new TS-520S. Not bad for a 22-year old fledging.

My DXing was catapulted to a new stage; casualness. I worked my first 100 countries without much emphasis on effort or lost sleep. It must have been sunspots. I took a laid back 6 years to cobble together the necessary QSLs for my DXCC,

Through the years I've qualified for a few rare certificates, or rather, not very popular. I'm exceptionally fond of my Worked 25 AA award - for QSOing 25 amateur radio stations whose callsign suffixes reflect only the two letter "AA". I spent 9 years tracking down those log entries and was issued Award #27. According to the award's manager, only 27 had been issued. On a related note, after many years of self-denial, today I am a grateful member of A.A., a friend of Bill W. Ironic.

I've dabbled in several DX contests where maybe a new country could be worked or one worked but not confirmed. Presently my DX count stands at 207 worked 147 confirmed. A touch of QRP for a different flavor. 94 SSB 10-meter countries worked with a converted CB at about 10 watts output PEP and before the HW-8 gave up the ghost, I logged 31 countries with it; 73 worked on a Radio Shack HTX-100.

Two SSB QSOs I've made that create low chuckles for myself includes the New York YL whose comment of, "I simply love your accent" caused a greater appreciation for CW.

The other standout QSO occurred as I was chatting with a South American ham. My then infant daughter was crying for attention. Her demanding wails were rebroadcast over 20 meters. My southern friend asked, "Baby hungry, no?" Today Amber is 21 years old and because of my poor memory, I obligate myself to replay this story to her every few years.

Today my hamming is confined to HF listening and 2-meter FM - mostly through the Baton Rouge ARC 19/79 repeater. Where the local Chapter 109 meets on Sunday nights, so I may inflict upon my new friends, "Bobby's as dry as a dirt road" sense of humor.

I'm 45 years old and currently I work as a commercial electricians helper. I've been an Extra Class since 1985.

RANDOM RECOLLECTIONS OF AN OLD HAM

-by George Hart W1NJM

(A journalistic history of the life and times in Amateur radio of George Hart, W1NJM)

Penn State and the College Radio Station W8YA

My hiatus from all amateur radio lasted only a couple of weeks. During the first week at Penn State I was rushed by several fraternities and joined one, attended many Freshman Week programs, started getting acclimated to college and fraternity life (not really new to me because I was raised in the academic atmosphere at Lafayette) and started classes in the demanding pre-veterinary curriculum. Sometime during the third week I investigated the college radio station, located behind the college power plant on Burrowes Street on the campus, and behind the University Club on College Avenue. The station consisted of two small wooden buildings surrounded by three wooden towers approximately 50 feet in height. The building in the center of the three towers contained the transmitting equipment for the broadcast facility (WPSC, 500 watts, at that time not in operation) and the 250-watt amateur radio station, W8YA. The other wooden building, about the same size, had served as a studio for the broadcast station and was no longer used but still maintained. The entire facility was approached from Burrowes Street through a small parking lot alongside the big power plant, across railroad tracks constituting a spur of the Bellefonte Central Railroad for delivery of coal to the plant, down an embankment to a boardwalk that provided entry to both the small buildings.

I approached the problem of entry with some trepidation. I could see the towers from Burrowes Street, which was on the west side of the main campus, but how to reach them was not immediately apparent; but I saw no "no trespassing" signs, so I traversed the obstacles and went up the boardwalk. It was a warm September day and the door of the middle building was open. I entered the building timidly. Inside, in the small workshop, were two students, absorbed in crystal grinding. They paid no attention to me at first, but when I introduced myself by my call letters they grinned at each other, wiped their hands and greeted me cordially. One was Walter Hawk, W3AJN, a senior EE from Northampton. The other was Jim Faries, W3AOA, a junior EE from a suburb of Philadelphia. Hawk looked very familiar.

"Don't I know you?" he asked, looking at me closely.

I remembered, then, that he had been at a couple of LVARC meetings I had attended with Ed. The ice, if indeed-there had been any, was broken. Hawk gave me a tour of the facilities, while Faries went back to his crystal grinding. Crystal control was all the rage at that time, and the little workshop in the W8YA building served as a laboratory for experimenting with different cuts of quartz crystals to be used in oscillators. At that stage of the technology, a crystal oscillator was by far the best means of providing a stable signal. I am not a technical person, but my understanding was that the quartz came primarily from Brazil and that it was cut into small squares, the thickness of which determined the frequency on which they would oscillate. But they would not oscillate unless the surfaces of the square were ultra-smooth, so once the squares were cut from the block of Brazilian quartz they had to be polished until they oscillated in the test oscillator. The thickness of the square determined the frequency on which it would oscillate, so once this was determined the crystal would be "ground down" until it oscillated on the desired frequency. This was accomplished by spreading a thin coating of carborundum on a piece of plate glass, wetting it, placing the little square of quartz on it and moving it in figure 8's with one's fingers on the glass. Every so often the crystal would be rinsed, wiped dry and placed in the oscillator to determine its frequency. This is a basic description only, possibly lacking in accuracy or correctness. There were many variations of the procedure which we will not get into here; but crystal grinding techniques were a major part of the little workshop at W8YA, as I later found out. During my five or six years of amateur radio exposure up to that time I had seen quite a few amateur stations, but none constructed like W8YA. "Breadboard" construction was all the rage, and W8YA was no exception, but the breadboard was not on a horizontal flat surface but mounted vertically against a wall. The tubes were mounted on little shelves on the board, other components mounted to show all connections. The board was hinged so it could be swung down and the heavier wiring behind it exposed. The oscillator, a 247 tube, was crystal controlled. This fed into an 865 buffer and then into another buffer, a 203A, and then a final 204A for operation on SO meters. For operation on 40 meters another 203A was added as a doubler and then into another 204A as a final amplifier. That was it, 250 watts input on each band. The 247 oscillator operated in the SO-meter band, exact frequency depending on which crystal was being used. Keying was done by a relay in the filament center tap of the 865 buffer stage. The two antennas strung among the three wooden towers were Windoms, fed by a single wire off center, connected through capacitors directly to the final tank coils. Walter Hawk said he didn't approve of the antenna arrangements but this was the way the boss, an BE instructor named Crossley, wanted it.

Power for the final amplifier tubes was supplied by a motor generator located in an anteroom on the other side of the building from the workshop. This was an a.c. electric motor coupled to a d.c. generator, the current from which went through a bank of filter capacitors to the final tubes. The motor generator was equipped with a brake so that when turned off it would stop instantly and not "coast," thus creating electrostatic noises in the receiver, which was a National FB-7.

In a corner of the room in which the W8YA operating position was located was the WPSC transmitter, a 500-watt broadcast transmitter with underground lines to the studio and to various points on the vast campus, including the football and baseball fields, the gymnasium and Schwab Auditorium on center campus. Walt explained to me that WPSC was no longer licensed but there was hope that it would be re-licensed and so it was all ready to go at any moment. It was served by a larger motor generator in the anteroom, which delivered 2300

volts but had no brake. This larger generator could be switched to W8YA and frequently was when more power was desired. He demonstrated both generators. The smaller one normally used for W8YA started with a loud clack and stopped with a thump as the brake clamped it. The larger one started more slowly, ran with a distinct high-pitched whine and coasted for a few seconds after being turned off.

Walt set me down at the operating position and allowed me to operate the station, after tuning it up for 40 meters. The FB-7 receiver was full of images, but Walt said he was working on a pre-selector that would get rid of them.

"We're trying to get the EE Department to buy us an HRO," he said, "but Crossley is only an instructor and doesn't have enough clout, so we'll have to make out with this until we can get some support. Doc Woodruff, W8CMP, is in our comer. He's a full professor with a long tenure, so I think we'll get it eventually. I seem to remember that you're a hotshot CW operator. Let's hear you call a CQ."

I didn't have my "bug" with me, but I rattled off a CQ on the straight key.

"That's great!" Walt enthused. "We're on 7150, so start tuning at 7000. The calibration isn't accurate, but you'll be able to tell where the band starts."

I did as instructed, but heard no one calling W8YA.

"Those darned Windoms are no good," Walt muttered. "I've been trying to get Crossley to let us put up a couple of Zepps, but he's a stubborn guy. But he'll be pleased with your CW skill. I'm only fair, but Jim Faries is pretty good, and Norm Young is even better. Neither of them measures up to you, though. Xley is impressed with high speed code, although he hardly knows a dit from a dab himself. Come around any time. If I'm here I'll let you operate, but freshmen don't get keys unless they're real hotshots. Xley might make an exception in your case."

"Xley?"

"Yeah, that's what I call him, but not to his face. Go ahead and operate if you want to. I'll be here for another half hour or so, but then I gotta go." Of course the above is a version of how I remember the conversation, probably not accurate but close. "How many members are there in the club?" I asked, as Walt went back to the little workshop to resume his crystal-grinding activity. "There is no club. Crossley doesn't want a club, one of his several eccentricities. It's just 'the Radio Station Staff.' W8YA is licensed to the BE Department, and Crossley is the trustee in charge. The senior assistant is Jim Beaver, W3AHZ. There are about 12 on the staff right now."

"How do I join the staff?"

"You don't, not until you're a sophomore and pass a test. Xley sometimes hands out a key to a freshman of outstanding ability. He might give you one because of your CW skill, but don't count on it. Where are we now, Jim?"

I had many more questions but decided not to wear out my welcome. Already, I felt, Hawk had devoted much more time to me than the ordinary visitor. But in subsequent weeks I visited the station many times and met most of the staff members. Most of them showed up infrequently. Beaver, Hawk and Faries practically haunted the place, and "Pop" Crossley was also frequently present. Norm Young, a junior, was the crack code (CW) operator until I came along. I met him and Crossley very early in my freshman year. Norm was a rather shy young man, a so-so student in electrical engineering. (They were all EE's, except me. I was a pre-veterinary in the School of Agriculture, which became the subject of many jokes among my W8YA colleagues in the months to come.) During that first couple of months I met most of the other staffers, three of them freshmen like myself. I can't begin to remember them all, but one of the freshmen I do remember very clearly was Charlie Kearns. Kearns was from the Pittsburgh area and was a brilliant EE student, but like most such students a bit on the conceited side until maturity. Charlie was very young, only sixteen, a tall string bean. His mastery of electronics was superb for the day and for his age, but his CW was only mediocre. Unfortunately, he did not rank very high with Crossley or, for that matter, with most of the rest of the staff.

On my second visit to W8YA, just a day or so later, I found Prof. Gil Crossley and Jim Beaver there. Jim was a mild-mannered but very assured senior, the student manager of the station and Crossley's assistant. I liked him instantly. Gil Crossley gave me a hearty greeting, said Walter Hawk had told him about me and if I lived up to my reputation I would be the best CW operator on the staff. This time I had brought my "bug" with me and, at his insistence, I gave him a demonstration. Although not much of a CW operator himself, Gil seemed fascinated with those who were, and I certainly fulfilled that role. He was a man in his late thirties, slightly rotund, very hearty, very knowledgeable in electronics and highly devoted to the station, W8YA. The station was licensed to the college, with Crossley the faculty member in charge. I learned later that he was not a licensed amateur. The college had previously held an experimental license (W8XE), but this had been converted to a special amateur license provided for by the Federal Radio Commission, Department of Commerce, the predecessor of the Federal Communications Commission (FCC). Such licenses were available to educational institutions and had "Y" calls. Later, when FCC took over, this changed and only individuals or duly constituted amateur radio clubs could receive amateur licenses. More about this later.

For some reason, perhaps solely because of my CW ability, Crossley took a liking to me and very early in my first semester broke precedent by giving me a key to the station, subject to certain restrictions. Walter Hawk, who became a good friend, broke me in on all aspects of the operation. So there I was, in the middle of my freshman year, privileged to enter the station at any time and use its facilities. For most of the 11 semesters I attended Penn State I remained on the Radio Station Staff. WPSC was never re-licensed; the old transmitter was a fixture in the operating room for many years; in fact I don't remember its ever being removed during my tenure, but as far as I know it was never put on the air again. When FCC took over from the FRC it determined that amateur station licenses would no longer be issued to institutions, only to bona fide amateur radio clubs with one of its licensed members as trustee and legally responsible for its operation. Under this development, it was naturally expected that Gil Crossley would obtain an amateur license and a Penn State Radio Club would be formed with Gil as station trustee, so that W8YA could continue in operation pretty much as before. But Gil remained steadfastly opposed to formation of a club, even (perhaps especially) one sponsored by the college. He

did, however, manage to get an amateur operator's license and somehow manage to get assigned the call letters W8YA. Thus, W8YA became his personal call and the station property, owned by the college, continued operation as before, with Gil as the faculty member in charge of the Radio Station Staff. This is how things remained during my tenure at Penn State, which ended in late summer of 1938.

Let me get tangential and look ahead for a moment. Gil Crossley was a controversial character. I liked him very much, although admittedly some of this was due to the fact that he favored me greatly. Some of the others, on and off the staff, disliked him and/or thought him ridiculous. Walter Hawk and some of the other staffers made fun of him. Charlie Kearns disliked him intensely, felt he was far from being a competent administrator. Incidentally, Charlie eventually graduated high in his (my) class and became an executive in United Aircraft's Hamilton Standard division in Windsor Locks, CT, near Hartford. As I also later moved to the Hartford area I had very occasional contact with him, not in person but by telephone. We never "hit it off," Charlie and I, and I fancied he had little respect for me. As an additional aside, my wife Louise became acquainted with Charlie's wife in the Gamma Phi Beta sorority alumnae group in Hartford. She met Charlie at their home, to which I was never invited, and characterized him as a fine and impressive gentleman, far from my recollection of Charlie as a very young college student. Maturity often does amazing things.

Walter Hawk graduated in 1933 but returned to Penn State to earn his EE degree and remained for still another year, I believe as an employee of the college, so he was around into my junior year and we became very close friends and shared many experiences at W8YA, some of them hilarious.

One prominent ham I never met while at Penn State was Dr. Eugene C. Woodruff, W8CMP, familiarly known as "Doc" by his colleagues. Dr. Woodruff was a full professor at the college (it didn't become a university until after WWII) , a mostly unappreciated electronic and automotive genius who rode around town in a custom-made Dusenberg automobile said to have been given to him by the manufacturer in lieu of payment for a patent. Doc was a quiet, soft-spoken man of unorthodox mannerisms. I finally met him when he became the second president of ARRL after its founder, Hiram Percy Maxim. Few people understood him, but those who did were his great admirers. I say I met him, but that's about all. I never became even an acquaintance. He and Gil Crossley, who later became an ARRL director, were close acquaintances, but I don't think the term "friends" would apply here. To most, Doc Woodruff was an enigma. My friendship with Crossley lasted throughout my 6-year stay in State College and intensified after he became ARRL director for the Atlantic Division, when I was on the staff at ARRL headquarters.

Getting back to W8YA, Gil Crossley was in constant battles with the EE administration about his conduct of the Radio Station Staff. We did get an HRO receiver to replace the old FB- 7, but otherwise the equipment remained pretty much the same. Crossley was a bitter and stubborn antagonist without much "clout" and usually came out on the short end of such controversies, ending eventually in his resignation some time in the late 60's or early 70's. It was expected that Gil would relinquish W8YA so that it could remain, in effect, the call of the college amateur radio club. But he refused to do this, smarting from what he must have felt was his rejection by the college. W8YA became W3YA when the call districts were changed after WWII and, after Gil's death, became the call of the Nittany Amateur Radio Club, having no connection with the college. The facility off Burrowes Street was razed and a new station established in one of the engineering buildings on College A venue, licensed to the Penn State Amateur Radio Club with the call K3CR.

I have many stories to tell about my experiences at W8YA from late 1932 through most of the summer of 1938, interrupted briefly by a semester at the University of Michigan in 1936-7. One, on the lighter side, was the "electric chair" designed and put into operation by Walter Hawk. In the operating room of the station building were two identical very heavy, very sturdy straight-backed wooden chairs used by whoever was operating the station. The members of the staff had become accustomed to leaning back on the two back legs of these chairs while operating or while conversing. Gil several times expressed concern that "one of these days" someone was gong to lean back too far, the back legs would slip and the occupant would land on the hard wooden floor, with possible injuries.. So Hawk decided to take action to discourage the habit. He drove two spikes through the seat of the chair, hammering the heads flush with the wood of the seat. The chairs had a flange around the seat extending a few inches downward, so the mechanism under the seat would not be visible. This mechanism consisted of a dry cell battery, a small spark coil of the type used in the ignition system of Model T Fords, and a pendulum mechanism by means of which the spark coil would be energized if anyone tilted the chair backward. Only one of the two identical chairs was so equipped. After catching a few of the staff members leaning back and getting the sharp jolt through the seat of their pants, the practice became to inspect the chair before sitting down to operate. Then Walt and one or two of his colleagues, including Gil Crossley himself, started conspiring to catch others off guard, usually by calling the intended victim into the workshop while the chairs were switched. Upon returning, the victim would sit on the wired chair, at which time the perpetrators would try to entice him to lean backward in the chair's hind legs, thus setting off the spark coil.

I got caught twice. The first time was before I knew the chair was wired, after which I was careful to look before I sat. The second time was after Gil Crossley had given us a lecture about after-dark urinating off the boardwalk between the station building and the studio. There were no sanitary facilities in either building, the nearest restroom being in the power plant up the embankment and across the railroad tracks. Gil said the area between the station and the studio was beginning to smell like a barnyard and ordered the practice (indulged in only at night) stopped. It was not only a nuisance but a little hazardous, especially after dark, to have to go all the way over to the power plant for relief, and when Gil was not present we frequently violated the order, only going further off the boardwalk into the weeds. But this particular night Gil and several other staffers were in the workshop while I was operating and nature's call overtook me, so I had to make the trip. While I was absent the chairs were switched. When I came back and resumed operating I found some of the staffers standing around

me. When I asked what the hell, Walter Hawk said some of the newer guys wanted to watch a real expert operating the key, and maybe I could give them a few pointers. So I tilted the chair back, knowing confidently that I had inspected it when I first came in, and got the jolt. Gil participated fully in the merriment that followed. After that I never again sat at the operating position without inspecting the chair. But almost always when a new staff member or visitor arrived, the entire staff present tried to trick him into sitting in the electrified chair.

W8YA was involved in a lot of traffic handling in those days. In fact, traffic handling was a major part of amateur operating then, as attested by Clinton B. DeSoto in his "Two Hundred Meters and Down." As the crack CW operator on the staff, I undertook much of this work. One night I came in to try to clear some traffic headed west. Walter Hawk and Jim Faries were in the workshop grinding crystals at the time. I sat down, "fired up the rig" and, after tuning around a bit, called a "CQ WEST." After repeating this several times, I finally received a call from W9YB, which I recognized as the call of the amateur radio station at Purdue University, which we had contacted many times. I explained that I had ten messages going west, and the operator at the other end said, simply, "GA" (go ahead). So I sent the ten messages, pausing after each one for his QSL (acknowledgement of receipt). Mter the last message, I thanked him profusely, to which he replied, "You're quite welcome, and say George, if you want to see our station, step into the next room."

It took a moment for the import of this to sink in, then I put down the headphones and went into the workshop, where I found Walt and Jim hunched over their little crystal oscillator, convulsed with laughter.

"You bastards!" I yelled. "Didn't you even copy the messages?" This caused the laughter to intensify.

When I came to W8YA in 1932, the station was already involved in the Army Amateur Radio System. AARS was run almost entirely by licensed amateurs, affiliated with but not enlisted in the U.S. Army Signal Corps, primarily for the purpose of training in Army procedures and the handling of third party messages. Participating amateurs used their own call letters in Army-sponsored networks in the amateur bands. The AARS was a commanding presence in amateur radio traffic handling at the time, and for many years afterward right up until WWII. When I arrived, AARS participation was handled almost entirely by Norm Young, whose amateur call I seem to have forgotten, but Norm was a competent operator and, although only a sophomore, prominent on the staff.

AARS also used two frequencies outside the amateur bands (3497.5 and 6990 kc.) for its higher-echelon operation, using call letters assigned from the WL block. W8YA was Pennsylvania net control and used WLQJ when operating on 3497.5. 6990 was used by AARS only at night. During the daylight hours it was used by WAR for official Army traffic.

I had little to do with the AARS phase of W8YA operation in my freshman year, but Ed and I had participated in it in a small way from W3NF and I was familiar with it. Some time during my sophomore year I was called into Gil Crossley's office in Engineering E and he explained that a dispatch from Washington had requested W8YA to take over as first alternate to the AARS main control station, WLM, located in the Munitions Building in Washington, D.C. Norm Young had requested to be relieved of AARS responsibilities so he could concentrate on academics. Our AARS call letters would be changed from WLQJ to WLMA and our operating responsibilities would no longer be restricted to Pennsylvania or the Third Corps Area. It was a major step up in the system. Gil wanted to know if I could handle it.

Not knowing the full requirements, I nevertheless felt sure I could, and Gil tended to agree with me, but my academics were not in the best of shape, and this was a major concern. I was spending too much time at the station already, often at the expense of study in my difficult pre-veterinary curriculum. Nevertheless, it was decided that we should accept the assignment on a tentative basis, which was the basis offered in the first place. My class schedule, that first semester of 1933-4, was less demanding on Thursday and Saturday. There were no classes on Saturday afternoon or on Sunday, but I didn't want to be tied down on weekends because of fraternity social obligations and/or weekend trips home. So my training schedule as alternate AARS net control station for the entire U.S. and possessions would involve only Wednesday evenings and an hour Thursday after classes. I would show up at W8YA on Wednesday after classes, put the rig on 3497.5 and make contact with WLM in Washington, signing our AARS call, WLMA. The procedure was to "clear the hook" at WLM - that is, take all the message traffic on hand at WLM to be sent to each of the corps area stations throughout the U.S. (only 48 states then), and also the Panama Canal Zone and the Territory of Hawaii. I don't recall any Alaskan or Caribbean contacts. None of the messages was official, just routine amateur radio traffic ordinarily handled in the amateur bands. Even the message format was the same, for by then ARRL had adopted the Signal Corps format for message traffic.

This was a daunting project, for most of the operators at AARS Corps Area level were highly skilled, many of them operated by amateurs like myself from their home stations either as alternates to the AARS Corps Area control stations or substitutes for those stations where no AARS control station existed. My Wednesday evenings were spent contacting representatives of each Corps Area, either on 3497.5 or 6990 kc., on an hourly or half-hourly basis — nine Corps Areas, plus WLXL at Fort Clayton, Canal Zone, and WVQB (later WLXB) at Schofield Barracks, Hawaii. The operation in most cases was swift and precise, either with AARS stations operated by Army personnel at Corps Area headquarters or an alternate or substitute. Operation in AARS was a major part of my amateur radio activity during those years and my memories of it are precise and pleasurable. The First Corps Area contact was with WLG, operated by Percy Noble, W1BVR from his home station in Westfield, MA. Perce was a long-time ARRL director and vice president who became a close personal friend. Since at the beginning there was no AARS station at Corps Area headquarters in Boston, Perce was permitted to use its call, WLG. Even after such a station was put on the air, Perce continued using WLG and the Corps Area station used WLGA - an exception to the general rule. Second Corps Area headquarters was at Governor's Island in New York Harbor, AARS call letters WLN (W2SC). They did have a station but often

the signal was down. The schedule was sometimes kept by W2PF, David Talley, whose AARS call I don't remember. I do remember that Dave had a very peculiar swing to his "fist" that was very difficult to copy until you became used to it. Third Corps Area HQ was at Fort McHenry, Baltimore, MD, with AARS call WLQ (W3SN). Fourth CA was in Fort McPherson, GA, with call WLR. I never heard WLR. Usually the schedule was kept by alternate WLRY, who was the renowned "Dixie Squinch Owl" whose name and amateur call escape me at the moment of writing. Fifth CA HQ was in Columbus, OH, WLH. This schedule was kept by W8ZG/W8GZ using WLH on 3497.5, who was none other than Loren Windom, inventor of the Windom antenna and a prominent military and amateur radio figure. I recall some derogatory exchanges between "Windy" and "Dixie," but believe they were close personal friends. Sixth CA HQ was in Chicago, WLT, schedule usually kept by an alternate but WLT did have an AARS station. Seventh CA HQ was at Ft. Omaha, NE, WLU (W9BNT). WLU had a super operator but I never knew who he was or if indeed he held an amateur license. Eighth CA HQ was at Fort Sam Houston in San Antonio, TX, WU (W50W). WU usually had a good signal and good operator on 6990. Ninth CA HQ was at the Presidio, San Francisco, WLV. All these AARS CA HQ stations had amateur calls and could be operated by licensed amateurs in the amateur bands. Thanks to my early training in traffic handling at W3NF I fitted right in with the AARS operators on 3497.5 and 6990 kc., most of whom were of the highest quality. WLMA (W8YA) became a Wednesday night fixture on the AARS world network..

The AARS station at Fort Clayton, C.Z. used the call WLXL and usually had a strong signal on 6990. I don't remember its amateur call; it would have been a K5. But the biggest challenge of the evening was contacting WVQB in Hawaii on 6990 kc. at 11:30 p.m. Their amateur call was K6DV. Surprisingly enough, the contact was usually successful, with quite a few messages exchanged. The operator out there was very good and usually reported our signal good. The "outlying" AARS stations were given WLX calls. I don't know why WVQB was used at first, but the call was later changed to WLXB, which I always felt never had the "swing" of WVQB.

My participation in AARS did not cease during the summer months. My brother Ed, W3NF, had also been active in AARS and in 1933 he was assigned WLML and we took over the Wednesday night WLM operation as usual. Ed at that time lived in Bloomsbury, NJ, a suburb of Phillipsburg. He had a nice location just off the then route U.S.-22 with an empty field behind his house on which he erected an A-frame antenna. The result was an outstanding signal, even better than we'd had on College Hill. The farm by then had electricity, but Ed much preferred his own location, so I was a frequent visitor at W3NF in Bloomsbury, especially on Wednesday nights. If for whatever reason I was not able to be there, Ed was quite as capable as I, perhaps even more so, of conducting the WLM schedules.

Backtracking a little: During the second semester of my freshman year at Penn State, after Prof. Crossley slipped me a key to the station "under the table," I made contact with Ed at the farm once a week. Ed had obtained a second-hand generator in dubious condition, had installed it in an outbuilding and, after considerable effort, had succeeded in getting it running. It was capable of only 500 watts and Ed used it only for his ham transmitter. I remember well the first contact using the generator and Ed's elation at having "electricity at the farm." His signal was strong and of good quality and we had a good half hour of conversation (all by Morse Code, of course, which was to us as good as talking by voice - better, in some respects). During our second contact using the old generator he mentioned that it "sounded funny," so we signed off so he could investigate. I learned the full story a couple of days later when we made contact with Ed using battery power again. On conclusion of our previous contact he had looked out the window and discovered the outbuilding in which the generator was housed, several hundred feet away, ablaze. He called the Riegelsville fire department, the nearest to the farm, but the telephone connection had to go through the Easton rural exchange. We were on a 12party line which was occupied almost all the time, so he had to get the party occupying the line to get off, then for the rural operator to answer, then wait for her to complete the long-distance routing to Riegelsville, which was only three miles away. Thus, the call went from the farm to Easton, five miles north, to Riegelsville, nine miles south, through lines that hummed and crackled - a far cry from the type of telephone service we enjoy today. By the time the firefighters arrived, first from Riegelsville, then from Easton, the fire had spread from the generator building to a nearby wagon shed and was threatening the big barn, all of wooden construction, with old hay occupying the loft in the barn. The blaze lighted the sky for miles around and the one-car lane from the highway to our farm was soon congested with cars of curiosity-seekers, making it difficult for the fire trucks to reach the scene. When they finally did, the barn was ablaze and flying embers were landing on the house. Hope for saving the barn was quickly abandoned and the firefighters concentrated on saving the house. Fortunately, the main part of the house was made of stone and the roof of slate; but an extension protruding toward the barn was made of wood, as was the interior of the house. With a limited water supply, it was "nip and tuck" for several hours. The big barn and other outbuildings were abandoned as a total loss, and the total effort was in saving the house. Meanwhile, spectators poured into the area and caused terrific congestion. It must have been a frantic time, but the house was saved. The three other buildings, however - the generator building, the wagon shed and the barn with its voluminous load of hay - burned to the ground. All that was left were a few smoking embers and the stone wall surrounding what had been the barnyard.

Thus ended the brief presence of W3AMR at the farm. Shortly thereafter, Ed moved to Bloomsbury and set up W3NF there. Fortunately, the entire property, including all buildings, was heavily insured. The buildings were never rebuilt; they weren't being used anyway. The insurance money provided some badly needed funds to continue college education expenses for me and my younger brother, and for running an electric service from the highway, about 3/4 of a mile, to the house. A private contractor installed the poles and the line, which was then owned by my mother. The electric company approved the line, installed a transformer at its end, and imposed a $10 minimum monthly fee. Reasonable? Not really. An average household in the city paid only about $5 a month for electricity; but rural electrification laws were not yet in

effect, and the electric company could dictate terms. The house was wired by an electrical contractor under Ed's supervision, all by BX cable with #14 gauge wire and standard wall and floor outlets. Electrical consumption then was nowhere near what it is today. Ed's residency in Bloomsbury didn't last long. He was unable to keep up the mortgage payments, and in a year or two he had sold the place and moved back to the farm where, with commercial electricity now available, W3NF was reinstalled and W3AMR became history. I maintained my station license at the farm, but I had no equipment of my own and during my weekend visits, vacations and summers I operated W3NF/WLML.

Meanwhile, at Penn State I gradually became a mainstay of the Radio Station Staff. By the end of my sophomore year I was in full charge of all AARS operations. Participation in ARRL trunk lines and other operation by myself and other members of the staff took a low priority, and I was empowered to oust anyone from the operating position if I had an AARS or other traffic-handling function to perform. I seldom had to use this prerogative, but I do remember one time when I arrived to keep a schedule and found Charlie Kearns at the key contacting friends at home. When he refused to vacate, I pulled his key plug out of the jack and moved his chair aside. He protested loudly but not physically (I was sort of wishing he would) and threatened to consult higher authority. I assume he did, but got nowhere. After that incident Charlie was a less frequent visitor to the station and remained cool with me. I regretted this only in retrospect. At the time, my sole determination was to maintain the integrity of our AARS commitment - a goal for which I had Crossley's complete support.

In the middle of my junior year, after a horrendous first semester academically and emotionally, I transferred from the School of Agriculture to the School of Liberal Arts, where I should have been in the first place. My nature was more attuned to the arts than the sciences, but my early farm experiences and love of animals had led me in the wrong direction. I switched from a major in animal husbandry and a minor in chemistry to a major in English composition and a minor in chemistry, the latter because I already had enough chemistry credits to qualify as a minor. The class schedule became easier, the subjects more in line with my basic qualifications. During the first semester, when my grades had reached the danger point, Crossley had restricted my attendance at W8YA, although he did not take away my key. I visited the station at every possible opportunity, trying to bury my emotions about a lost love by doing something with which I was familiar and at ease. It was a critical period. I suppose it might be said that my love of amateur radio rescued me from an emotional storm that might have had far more serious consequences - but I wasn't aware of this at the time.

During the summer of 1935 I went on one drunken binge after another with reckless abandon. Ed had re-established W3NF at the farm and I spent a great deal of time in the third floor apartment in which he lived with his wife and child, operating the "rig" and trying to shake off depression. All in all, it was a bad summer. On my return to State College in the fall I found the academic pace easier and became re-established as the undergraduate assistant manager of W8YA. Walter Hawk, W3AJN, who had returned for graduate work, became Gil's right-hand man. Hawk had become a close friend and confidante and helped me through some bad emotional storms during my senior year, during which I breezed through the academics and recouped many graduation credits. Penn State was not the mammoth degree factory it is today. The depression was still on, money was tight, the college needed students. If it hadn't been for this, it is highly likely that I would not have survived. During my senior year, although not fully recovered from mental depression, I felt atop the heap, respected if not admired by my fellow students, assured of graduation in the spring of '36. Life at W8YA went on pretty routinely. Walter Hawk changed the keying arrangement so the crystal oscillator was keyed instead of the first buffer stage, thus permitting break-in operation, a requirement in the type of operation conducted in the highest levels of AARS, but otherwise little was changed. In all my tenure at W8YA, which went on for a couple more years after graduation, no operation was conducted by voice or any mode other than CW. Crossley was vigorously opposed to it. Other members of the staff wanted to sack the old "breadboard" construction and build an entirely new transmitter capable of voice operation, but Crossley would not hear of it. I was not opposed to it, but entirely willing to continue with what we had, and with our commitment to AARS.

It was the custom for the radio station staff to visit the national capital, Washington, each year, with Gil Crossley in charge. I'm not sure just when these trips occurred, probably during spring vacation, or what the arrangements were, but I believe each student paid his own way, under group rates wherever available. I went along on such trips at least twice, perhaps three times. Visits were made to the standard tourist attractions and, during the years of our AARS affiliation, to the AARS operating point in the Munitions Building on Constitution Avenue and the transmitter location at Fort Myer, across the river in Virginia, about 7 miles away. There was also a receiving station at Battery Cove, MD, but this facility was seldom used for AARS and I don't remember that we visited it - at least not at that point in time. I do, however, have very strong memories of our visits to WLM/W3CXL at the Munitions Building and at Fort Myer. On my first visit, during my sophomore year, we met the officer in charge of the AARS facility, whose name I don't remember, and Pvt. Ed Day, who was the principal (not chief) operator at WLM. There were several other operators also. I became familiar with all of them but don't remember most of the names. One was Cal Skaggs, another named Bradley, several more now forgotten. My familiarity with them was mostly on the air, but some of them I met personally during those trips. The WLM facilities were crammed in with all the WAR facilities, largely ignored by the many commercial and military operators present. At the WLM position there was only a receiver and a keying jack through which the transmitter at Fort Myer could be keyed. Also, of course, a typewriter and the ubiquitous military forms. Ed Day was a highly proficient operator, as were also the other operators who attended the WLM position, all of them amateur licensees.

Coming in the next installment: The WLM Fort Myer operation and a visit to a burlesque show.

INTERNATIONAL CORRESPONDENCE SCHOOLS RADIO HANDBOOK 1923 EDITION

- Excerpts From The Handbook -

Submitted by V. Fletcher Nipper WØQVK

Note: Some wording has been changed and/or added to describe certain wiring diagrams and figures from the handbook that are not shown below.

CRYSTAL DETECTORS

A crystal rectifier or as it is more commonly called, a crystal detector, is a device for changing an alternating current into a pulsating direct current

Galena crystals

Characteristic curves of the galena crystal indicate that when a contact is made on a sensitive spot on the crystal a rectification occurs "which allows the positive pulses of the current to pass through the crystal without much opposition while the negative pulses of the current will be almost [be] choked out.

Silicon-Antimony detector

A detector for radio use may be formed by a silicon crystal with [U1 antimony crystal pressing against it. The rectification action occurs at the contact between the point of the antimony crystal and the silicon crystal. It has been found that this combination of minerals will operate satisfactory and such a detector will maintain a sensitive setting under the influence of high voltages from the antenna due to static. The contact point of the antimony crystal is not necessarily pointed sharply, as such a point is hard to maintain, and the operation is satisfactory with a rather blunt crystal.

Zincite and Bornite

Another combination that has come into considerable use is that employing zincite and bornite crystals. The detector is quite frequently arranged, as in the antimony silicon combination with the zincite stationary and the bornite on a moveable arm. The detector will give very good results, is rather easily set, and will maintain a sensitive setting for a reasonable length of time, Other crystals and combinations of crystals have been used as detectors.

Some Other Crystals

Lenzite and cerusite have also been used as detector crystal materials to a limited extent. The perikon detector, formed of zincite and chawcopyrite is suited for use where it is subjected to jarring, since this detector has uniform characteristics over its entire surface. All other crystals which have been mentioned work very well without a battery, hence are simple to operate.

Carborundum Crystal

The carborundum crystal is of the same material as that of which the carborundum abrasive wheels are made. Experiments have proved that for the best operation the contact should be made by means of a metal point very firmly pressed against the crystal. For this reason a steel needle, such as used on a phonograph, will prove entirely satisfactory, and should be forced against the crystal with considerable pressure.

The main characteristic of the carborundum crystal is that signals maybe received from nearly every point on the surface at which good contact is made, and the detector will keep its setting for some time. The signals are usually not as strong as when other detectors are used, but the reliability factor does much to commend it A characteristic curve would look very much like that of a galena crystal except that the carborundum curves do not have the characteristic bend near the value of zero voltage In order that the operating voltage may work on the bend of the curve, a battery of 1 to 2 volts is placed across the crystal. In practice this refinement is not often used because of its inconvenience.

Electrolytic Detector

The electrolytic has fallen into disuse in the United States but widely used in some European countries with excellent results. It consists of a small glass cup containing an electrolyte of a dilute solution of nitric or sulphuric acid. One terminal is formed by platinum plate in the electrolyte. The other terminal is made by a minute platinum wire of .0001 inch in diameter inserted in the electrolyte for only a short distance. A battery is placed across these elements so that the positive terminal goes to the fine point while the negative terminal is connected to the larger platinum plate. The receiving circuit is connected across these two points. The battery tends to send a current through the electrolyte and this current causes a decomposition of the electrolyte and a film of a bubbles of gas to collect around the fine positive wire. Current in one direction is passed without much hindrance, while the current in the other direction is checked to a larger extent. The electrolytic detector requires rather sensitive voltage adjustments and also a very careful adjustment of the fine point which barely projects into the electrolyte.

SPARK GAPS

General Features

A spark gap as used in radio practice is a device which will complete a circuit in the power supply line of the radio set or in an oscillating circuit under proper conditions, and later will open the circuit at that point, thereby helping in the formation of high-frequency oscillating currents. Spark gaps were formerly used in a larger percentage of sending stations than at the present time. The type of signal radiated is apt to cause interference and is not adapted to radio telephony so has a tendency to be superseded by other devices.

Types of spark gaps

Open spark gap

A simple type of spark gap consists of two electrodes with an air gap between the two. One electrode is securely mounted to an insulated base, the other is mounted to the same insulated base with an adjusting knob such that the gap distance may be adjusted between the gap and the length of the gap may be varied. Each supporting post for the electrodes carries a terminal to which the circuit connections are made. There

are three flanges which may be mounted on each electrode which are not always supplied. These are useful in keeping the electrodes cool as they present a large cooling surface to cool the air. The spark gap performs its function better if kept cool by some such means, or if it shows a tendency to overheat a blast of air may be directed across the electrodes.

Copper can not be used for electrode material as it tends to form an arc or actually to burn. Zinc is very largely used as it does not arc and has a very long life if the gap is properly adjusted. Monel metal, which is a combination of nickel and other materials is also used.

Quenched spark gap

The operation of a spark gap may be improved to a large extent by using several short gaps in series instead of using a single long gap. The quenched spark gap consists of several copper circular plates of special design. The sparking surface is very smooth and varies from 1/2 to 1 inch in diameter depending on the amount of energy the gap must handle. These are placed together in series with the sparking surfaces adjacent and are separated by mica or fiber washers which insulates the plates and keeps the sparking surface at the proper distance. A circular groove is cut in each of the plates surrounding the sparking surface, so that the inner edge of the washer extends over it thus preventing the spark from fanning over the edge of the washer which would soon carbonize the washer and cause a short circuit across the plates. The sides of the insulating rings are coated when assembling with shellac or some similar substance, and the whole set is clamped together, forming air tight chambers for tile spark discharges. The gaps being entirely enclosed operate with very little noise and may be placed quite close to the rest of the set with no discomfort to the operator. Extensions or fins, on the outer edges of the copper plate form excellent radiators and dissipate the heat rapidly The larger sizes of quenched spark gaps have a blast of air playing over the outside fins.

The immediate quenching of the spark is brought about partly by the fact the oscillatory discharge occurs in an air-tight chamber, and partly by the good cooling effect obtained by distributing the discharge among a number of relatively small gaps. The gap gives a high spark note and has been used in many up to date installations. Any number of plates may be connected in series, the number used depending upon the set with which tile gap is to be operated. In many cases a permanent connection is made to one end of the gap, and the other terminal is arranged to connect any desired number of gaps by means of a suitable clamp which may be attached to any one of the plates.

Rotary Spark Gap

A rotary spark gap is one with one or more rotating electrodes, the movement of the electrodes, assist materially in keeping the sparking surfaces cool and controlling the discharge. The rotary spark gap is driven by a small motor. The main part of the rotor is of cast copper with broad thin teeth farmed on its outer edge. These teeth in their rotation pass very close to the stationary electrodes, the air gap is very short. A rather low voltage impressed across the terminals will establish a spark across the air gaps. If the rotor is turned a short distance the length of the air gap will be rapidly increased until it becomes sufficient to extinguish the spark. Continued rotation will bring the next pair of teeth opposite the electrodes and permit another short period of spark discharges. There will be a spark every time the rotating teeth pass by the stationary electrodes and the resulting tone of the set will depend directly on the speed of rotation of the motor. The shape of the teeth is such that they blow a current of air over the electrodes to keep them cool. The rapid lengthening of the air gap just after the spark starts, causes the spark to be suppressed in a very short time, which is a very desirable characteristic in a spark gap. In many cases the rotary spark gap is mounted on the end of the alternator shaft, thereby eliminating the cost of a separate motor.

ARC GENERATORS

General Principles

The arc system for generating high-frequency undamped waves has been used in many stations, with considerable success. This is frequently called the Poulsen arc, as it was invented by Valdemar Poulsen. Many refinements have been added since its original introduction This device is especially applicable to medium and high-power work, in which fields it finds its greatest usefulness.

The oscillating arc

The arrangement of apparatus that will establish an oscillating arc was developed by Poulsen and consists essentially of a direct current arc shunted by a tuned oscillating circuit when the electrodes forming the terminals of the arc are connected to a source of direct current, a high-frequency alternating current will be established in the oscillating circuit. The arc electrodes are first connected to the generator with the oscillatory circuit disconnected The electrodes which form the arc are placed in contact with each other and then separated, thus starting the arc. The oscillatory circuit is then connected to the electrodes. As soon as this circuit is completed oscillation is then started.

The arc electrode which is positive is made of copper and is hollow. Water running through the interior of this electrode keeps it comparatively cool. and prevents it from being rapidly burned up by the intense heat of the arc. The arc electrode which is negative is of carbon and its supporting sleeve is frequently water cooled to keep the temperature down. The cooling of the electrodes helps disperse the ions and thus to quench the arc. The arc electrodes are mounted either vertically or horizontally.

The 100,000 cycle inductor alternator

Alternators have been constructed which furnish 100,000 cycles or in some cases 200,000 cycles alternating voltages. For the generation of voltages at these excessively high frequencies, special construction and design features must be followed. As the inductor alternator may be made without rotating windings, which is a distinct advantage in securing mechanical strength and ruggedness, that type is commonly used. Several machines of the inductor type designed for very high frequencies have been developed.

The Alexanderson alternator, so named from its designer, has been successfully operated for the generation of voltages at 100,000 and 200,000 cycles. The field and armature windings are stationary and properly mounted with respect to the magnetic circuit. A rotor of magnetic material with numerous radial slots cut near its outer edge, produces many changes in

the flux of the magnetic circuit per revolution, thereby generating in the stationary armature coils a voltage of very high frequency.

These machines are usually driven by high speed alternating current or direct current motors equipped with special apparatus to give them constant speed with fluctuating load. An enclosed gearing is usually employed between the motor and the alternator to give a high rotative speed to the alternator rotor. The speed of the rotor is usually at least 2,000 revolutions per minute, and in some cases 20,000 revolutions per minute. When a rotor with several hundred spokes is used, it is quite possible to generate an alternating voltage of exceedingly high frequency.

TRANSMITTING STATIONS

General Features

Radio communication, considered from the standpoint of the nature of the waves by which communication is established between stations, may be divided into two classes. In the class employing damped waves (spark transmissions) a series of wave trains is sent out, each of which trains consists of a group of damped radio-frequency waves. The term damped as used here means that the succeeding waves in the short wave trains are of decreasing amplitude. In the second class, of radio-frequency waves, which, if the radio signal did not prevent, would form a continuous series of waves of constant amplitude, representing a true alternating current. As the generated wave is continuous, this system is known as a continuous-wave system, frequently abbreviated to a C.W. system.

RADIO RECEIVING CIRCUITS

Damped Wave, Crystal-Detector Receiving Sets

General features

The production of damped-wave radio telegraph signals has been considered as well as the type of signal radiated by the antenna system. All circuits capable of receiving damped-wave radio telegraph signals depend upon the rectification of the received signal. In some large stations the signals are recorded on tape with ink recorders and the message is later transcribed by reading from the tape. Briefly, a receiving set may be said to comprise a means of tuning to the incoming signal, a rectifier device, and generally a pair of telephone receivers. The two main classes of rectifiers are some type of crystal detector and the three electrode electron tube. Practically all of the circuits that may be used to receive damped wave telegraph signals may be used to receive undamped-wave signals that have been modulated or interrupted, such as by a buzzer, or even to receive radio-telephone messages

Setting the crystal Detector

For the best reception of radio signals, it is important that the crystal detector be set on a sensitive point. It is therefore, sometimes desirable to test for a sensitive spot on the crystal before receiving radio signals. A method of energizing the antenna for the purpose of testing the detector, a circuit including a small buzzer operated by a battery is loosely coupled with the antenna system of coils. When the buzzer is energized a small current will be established in the receiving circuit by induction from the antenna circuit. The position of the detector point is changed several times until the sound from the buzzer comes in clear and strong. The setting of the detector is then on a sensitive spot which will respond to radio signals and the usual tuning can be completed As soon as a good point on the detector is found the buzzer is stopped by opening its circuit as its continuing operation would only produce interference.

RECEIVING UNDAMPED-WAVE TELEGRAPH SIGNALS

General Considerations

Undamped-wave radio telegraph signals are not capable of producing signals when received on the usual type of damped-wave receiving apparatus unless these have been interrupted or modulated at the sending station. Suppose an undamped-wave is being received in a crystal detector. There is a very large number of cycles radio-frequency current in either a dot or a dash of the telegraph code. This current would be rectified as usual but the receiver diaphragm would be drawn up at the start of the wave train and released at the end. This would not produce a buzzing sound nor a good receiving sound in the telephone receivers, and is doubtful if any sound would be heard. If, however, this wave train is broken up or its form changed it can be made intelligible.

Circuit Interrupting Devices

Buzzer

One method of receiving and detecting sustained waves is the arrangement is exactly the same as for receiving damped-wave signals, except that a circuit interrupting device has been inserted in series with the detector and telephone receivers. The interrupter forms part of an electric buzzer, the operating circuit is connected to its own local battery. The buzzer operates at its normal audio frequency and the vibrating armature periodically opens and closes the circuit through the detector and the telephone receivers. The detector rectifies any alternating current wave passing through it, and would pass a pulsating current through its circuit were it not for the buzzer. As the circuit is opened at intervals by the buzzer, the rectified pulsations of current that remain will be grouped into short wave trains. These groups of pulsations occurring at audio frequency give audible signals representing the dots and dashes of the telegraph code.

Chopper

Undamped waves may be received by connecting a chopper in the detector and receiver circuit of a damped-wave receiving set. The chopper consists of a toothed wheel and a brush or contact point which touches the teeth momentarily as the teeth pass. A motor rotates the toothed wheel at a fair rate of speed and the teeth make periodically contact with the brush. The tone of the signal may be controlled by regulating the speed of the chopper wheel. The note produced by the telephone receivers is not quite so uniform nor so easy to receive as in some other receiving systems.

Tikker

The tikker depends upon a make-and-break contact to produce audible signals from undamped-waves. In one form

it uses a grooved wheel to form one side of the contact and is rotated by a motor. A spring presses into the groove of the wheel and makes a sliding and imperfect contact. The minute irregularities in the wheel open and close the contact very frequently, producing a series of makes and breaks similar to that on the chopper. In the reception of high-frequency signals corresponding to the shorter wave lengths it seems desirable to use the grooved wheel type of interrupter.

RADIO LICENSE REGULATIONS

Operator's License

FoI1owing is a list of various grades of operators' licenses. Certain grades are issued only under special conditions, for others an operator is required to send and receive not less than a certain specified number of 5-letter words per minute in International Morse or American Morse. In the list the number required is mentioned following each class.

Grades of Licenses

Commercial extra first: 30 of International Morse and 25 of American Morse.

Commercial first: 20 of International Morse.

Commercial second: 12 of International Morse.

Commercial cargo: required to understand usual distress signals.

Commercial temporary permit: Issued temporarily to skilled operators.

Experiment and Instruction: a special grade for investigators and experimenters.

Amateur first: 10 International Morse, but no examination.

BE Informed! *By W3BE.*

Your class of *operator license grant* determines your operating privileges. Although it is issued with your *primary station license grant*, it is a separate authorization. Each type of grant carries obligations with which the grantee must comply. The sanctions for violating the rules are different between the two license grants.

Results - April 2002- QCWA QSO Party

	Call	Name	Chapter	QSO's	Multi	Total
1	K8FH	Fred	1	213	73	15549
2	VE3BNO	George	70	181	67	12127
3	K2TVY	Frank	138	175	64	11200
4	K2SSE	Al	173	164	54	8856
5	W0HXL	Dick	25	112	77	8624
6	W5KL	Leland	AR	172	50	8600
7	W9FXA	Jim	2	95	49	4655
8	VE6AFO	Ken	151	80	52	4160
9	W9FHW	Herm	76	83	49	4067
10	DJ5GG	Guenther	106	111	36	3996
11	K8MFK	Frank	MI	74	54	3996
12	N6CMF	Phil	130	84	32	2688
13	W3FYK	Bill	17	79	34	2686
14	N4TN	Don	182	81	32	2592
15	W9HR	Al	162	86	29	2494
16	W2VEX/W2SD	Norm	65	72	32	2304
17	N6SL	Ben	109	88	25	2200
18	K9VKY	Brian	6	62	31	1922
19	VA3ZBB	Rod	70	62	27	1674
20	W4YE	Leland, Jr.	202	59	26	1534
21	W5DW	Wib	41	56	27	1512
22	K6SS	Len	130	52	28	1456
23	W4HU	John	91	48	28	1344
24	W4YOK	Tom	TX	56	23	1288
25	WA4SRD	Edith	76	40	28	1120
26	W3ZMN	Conrad	17	46	24	1104
27	K3QA	Ron	150	40	21	840
28	KJ6YK	Buck	130	35	19	665
29	K0RY	Harvey	110	31	21	651
30	VE3AHZ	Jack	70	35	18	630
31	K4ITV	Charlie	182	38	16	608
32	K4JM	Tom	VA	38	16	608
33	N9NBC	Ken	162	26	23	598
34	DL1NP	Ben	106	34	17	578
35	WA0YXK	Alvin	110	27	21	567
36	W5GVP	Tom	72	24	23	552
37	K8VFR	Rose	MI	34	16	544
38	W1KKG	Sperry	VA	24	22	528
39	W4CZ	Bill	182	25	21	525
40	W3EE	Lee	20	30	12	360
41	W6HV	Troy	130	24	14	336
42	WD9DJD	Paul	2	17	19	323
43	W6MKA	Dave	202	20	15	300
44	W8FDN	Dick	1	20	13	260
45	W2HTX	Roy	16	21	12	252
46	W9NVK	Ed	162	12	15	180
47	W2IRU	Henry	65	18	9	162
48	K9JIG	Denis	174	11	14	154
49	K2VX	Dave	77	17	9	153
50	W4MPJ	Bob	196	15	10	150
51	WA8MWA	Carolyn	120	18	8	144
52	W3TFA	Stan	23	15	8	120
53	W4AGI	Victor	202	18	6	108
54	W6HG	Hugh	130	14	5	70
55	N5AGG	Don	134	5	6	30
56	WA0GRM	Lester	110	5	5	25
57	W3WM	Art	32	2	2	4
58	W2MM	Group	45	No Logs	No Logs	0

Chapters on the Air

NO NAME	DAY	TIME	NC	FREQ
SO CALIF CW	SUN	1100L	W6WHM	7034
FL SSB	SAT	1300Z	W4KOG	3955
QCWA SSB	SUN	2000Z	varies	14347
FL SSB	WED	1500Z	W4NWF	7274
NE REGIONAL	SUN	0845L	W2AUF	3917
QCWA CW	WED	2000E	varies	7035
1 CLEVELAND CH	WED	2000L	W8LYD	146.85
5 DELAWARE VALLEY CH	SUN	0945L	W2UAE	3917
6 PITTSBURGH CH	SUN	0830L	N3GHI	147.03
7 SOUTHERN CA	SUN	1000L	W6ZRZ	147.36+
7 SOUTHERN CA	SUN	0900L	W6WHM	3917
7 SOUTHERN CA	SUN	1100L	W6WHM	7234
8 UPPER MIDWEST CH	SAT	0800L	W0KHG	3877
9 SOUTHWEST OH	SUN	1330L	K8YDP	3975
10 MICHIGAN CH	SUN	0800L	VARIES	3903
11 NORTHERN CA	SAT	1000L	W6AQR	146.85-
11 NORTHERN CA	SUN	0930L	WA6AFT	3907
14 SAN DIEGO CH	WED	2000L	VARIES	145.52
16 ARIZONA CH	SUN	0600L	W7ER	3890
17 ALLENTOWN-BETHLEHEM-	SUN	1200L	W3GOS	3990
19 MISSOURI CH	WED	1900L	W9VHL	147.15+
20 BALTIMORE CH	MON	2100L	W3EE	147.285
21 CANTON OH CH	THU	1930L	VARIES	147.18+
25 NEBRASKA CH	SAT	0830L	VARIES	3982
25 NEBRASKA CH	TUE	1900L	VARIES	145.45
28 CENTRAL NY	SUN	1030L	K2MFB	3917
29 FINGER LAKES CH	SUN	1230L	W2BCH	3900
31 READING,PA CH	MON	2100L	VARIES	146.91
32 GATOR CH	SAT	0900L	VARIES	145.29
33 GUNDERSON PENN-JERSEY	DLY	2000L	W3APE	3987
33 GUNDERSON PENN JERSEY	DLY	1000L	W3APE	14263
35 MIDCONTINENT CH	THU	2030L	K0YML	146.97
37 HARRISBURG CH	WED	2100L	K3IUY	147.12
38 SAN ANTONIO CH	SUN	2030L	W5HRF	28650
41 DALLAS CH	SUN	0715L	varies	3835
45 CITRUS CH	TUE	1930L	VARIES	147.195
46 FOUNDER'S CH	SUN	0815L	W2NBT	3917
49 PEACH STATE CH	SAT	0900E	K4VNJ	3857.5
49 PEACH STATE CH	WED	2000E	K4VNJ	145.41
51 TEX-LA GOLDEN TRI	MON	1830L	W5AL	146.85
55 WI CH	SUN	0830L	W9YCV	3985
58 CO CH	SUN	0930L	VARIES	146.67
58 CO CH	SUN	0900L	W9KRE	3905
62 SUWANNEE CH	SAT	0900L	W4PFJ	3940
63 CENTRAL OK CH	THUR	1900L	W5HXL	145.41
63 CENTRAL OK CH	SUN	0800L	W5AS	3855
64 EL PASO CH	SAT	0830L	W5RO	3933
65 NIAGARA FRONTIER	SUN	1330L	W2QOI	3900
70 NATIONAL CAPITAL	THUR	2000L	VE3QCW	147.03
73 SOUTHERN ONTARIO	SUN	0900L	VE3AGS	3773
75 CENTRAL CA COAST	SAT	1600Z	VARIES	3917
76 BLUE RIDGE CH	SAT	1000L	VARIES	3930
77 NORTHERN NJ	THU	2000L	W2IET	147.030
79 SUNFLOWER CH	WED	2000L	VARIES	22/82
81 LONG ISLAND CH	FRI	2030L	W2TLC	146.745
81 LONG ISLAND QCWA CH	SUN	1130L	W2TLC	3917
85 ARK-LA-TEX CH	MON	1930L	WA9PZL	146.67
89 PALMETTO STATE CH	SUN	1700L	N4RM	3695
89 PALMETTO STATE CH	SAT	0830L	VARIES	3930
91 VIC CLARK CH	SUN	0900L	VARIES	146.79
94 ROADRUNNER CH	WED	1400L	WB5YYX	146.72
102 DAKOTA CH	SUN	1400Z	VARIES	3889
106 GERMAN CH	MON	1630Z	DL0QCW	3773
106 GERMAN CH	WED	1700Z	DL1MEB	3573
107 CENTRAL FL	THU	1230L	W4LHP	14245
107 CENTRAL FL	SAT	0900L	W4LHP	7243
108 BEAVER STATE CH	WED	0800L	W7LVN	3926
109 BATON ROUGE CH	SUN	0830L	VARIES	3905
109 BATON ROUGE CH	SUN	2000L	VARIES	19/79
110 KANSAS CH	SAT	0730L	KA0RZO	3920
111 PALM BEACH CH	TTHSA	1900L	VARIES	146.670
112 YANKEE CH	SUN	0830L	W1GCA	3903
114 NORTH TEXAS CH	SAT	0830L	WA5BXH	3941.5
122 LAKE ERIE TRI-STATE	SUN	0915L	W3QPP	3916
123 LEE DEFOREST CH	SAT	0730L	K0EDO	3940
125 NEBRASKA CH	TUE	0100Z	VARIES	146.94
126 PIEDMONT CH	SAT	0845L	VARIES	3935
128 PELICAN CH	SAT	0900L	VARIES	145.29
130 INLAND EMPIRE	WED	1930L	W6HV	1.896MH
130 INLAND EMPIRE	FRI	1600L	W6HV	3900
130 INLAND EMPIRE	SAT	0800L	W6HV	3900
131 GULF COAST CH	TUE	0900L	VARIES	28750
134 PINE TREE	SUN	1430L	W1QU	3942
135 MID-MICHIGAN CH	TUE	2000L	VARIES	146.70
138 MARCONI CH	TUE	2100L	VARIES	147.045
140 WYOMING CH	SAT	0800L	W7MZW	3923
142 NORTHWEST OH	WED	2000L	W8FO	147.27+
143 NORTH CO CH	SUN	0830L	VARIES	145.115
146 TWIN STATE CH	SUN	0830L	VARIES	3897
149 NUTMEG CH	SUN	1100L	W1KHL	3923
150 DEL-MAR-VA CH	SUN	0900L	NQ4Q	22/82
151 WILD ROSE CH	MON	1900L	VARIES	3747
152 ROYAL PALM CH	MWF	1300L	K4FA	14178
152 ROYAL PALM CH	T-TH	1300L	W4LZB	7220
154 LEO MEYERSON CH	THU	1830L	K6AWO	145.480
157 PONY EXPRESS CH	SUN	0830L	W0GGP	3955
160 UTAH CH	SAT	1100L	VARIES	7272
162 SOUTHEAST WI	THU	2100L	N9NBC	147.27+
165 YORK COUNTY PA	WED	2100L	W3AXC	146.97
169 SACRAMENTO VALLEY	M/THU	1730L	VARIES	3947.5
173 GOLDEN TRI CH	TUE	1930L	W9JRY	147.255
174 WI BADGER	SUN	1600L	VARIES	146.82
181 HUDSON VALLEY	SUN	0815L	W2NBT	3917
181 HUDSON VALLEY CH	TUE	2030L	VARIES	147.060
182 NORTHEAST TN	SUN	2100L	W4CZ	145.110
183 PIONEER CH	SUN	1030L	VARIES	3923
188 LOST RIVER CH	1ST W	1915L	K7RFO	146.25+
191 MONTEREY BAY CH	TUE	1930L	VARIES	146.70
194 HAWAII CH	1st S	1500L	VARIES	7088
196 EDISON CH	DLY	0730L	VARIES	147.345
205 EASTERN IN	THU	0100L	VARIES	147.27+

QCWA Welcomes New Members

DATE	MEMNUM	NAME	CALL	CITY	ST/PR	SPONSOR	SCALL
07/01/2002	31580	HEBER, CHARLES A	W7NLA	GLENDALE	AZ	-	-
07/01/2002	31581	KENT, STEVEN M	WB6QQR	LONG BEACH	CA	-	-
07/01/2002	31582	HASZPRUNAR, ROBERT	OK1DH	CZECH		-	-
07/08/2002	31583	BUNCH, FLOYD L	W6BTP	BOULEVARD	CA	-	-
07/08/2002	31584	SHIDELER, RICHARD LEE	AL6R	WOODLAKE	CA	ROBERT M CURTIS	W6QCV
07/08/2002	31585	TANIGAWA, WILFRED R	KH6IMB	VOLCANO	HI	-	-
07/08/2002	31586	WALLINGFORD, BRUCE	WB0MZI	FORT LUPTON	CO	-	-
07/08/2002	31587	DULIN, THOMAS E	KC5INU	ALVARADO	TX	LEN WARNSTAFF	K5CPD
07/08/2002	31588	CLARK, EDWARD T	K8ZM	KENT	OH	-	-
07/08/2002	31589	MARDEN, DAVID C SR	KE2AG	FREEHOLD	NJ	-	-
07/08/2002	31590	DYCKMAN, JOHN C	WA3KFT	ASTON	PA	HARRY DAVIS JR	K3WAC
07/11/2002	31591	FRYE, ALFRED	KV3N	BUTLER	PA	GEORGE L BERNLOHR	W3WXZ
07/11/2002	31592	HARNISCH, CARL A	KG7NU	KINGMAN	AZ	-	-
07/11/2002	31593	RYAN, BARRY	AI2H	PALM CITY	FL	-	-
07/12/2002	31594	HODGE, RICHARD M	W0AYO	MARION	IA	-	-
07/15/2002	31595	WEINSCHENKER, MAURICE	K3DPJ	IRWIN	PA	ARTHUR F KUNST	W3WM
07/17/2002	31596	SALLEY, JOHN G	W0VHV	RIVERSIDE	CA	ARLO MYERS	WA6UDR
07/18/2002	31597	STURTZ, DOUGLASS L	W2CU	FRANKLIN	PA	ARTHUR F KUNST	W3WM
07/19/2002	31598	TIERNEY, HERBERT C JR	WA2IHU	BUDD LAKE	NJ	-	-
07/22/2002	31599	DEMMER, PETER L	KH6CTQ	AIEA	HI	JOHN D PETERS	K1ER
07/23/2002	31600	GOENNER, FRANZ	HB9DSC	SWITZERLAND		WERNER LEMBCKE	DL1ZC
07/23/2002	31601	FALCON, SALVADOR	EA3AVW	SPAIN		WERNER LEMBCKE	DL1ZC
07/23/2002	31602	MARTIN, STEPHEN C	N6ADV	YERMO	CA	-	-
07/24/2002	31603	SCHMITT, JAMES L	N7ELB	ALOHA	OR	-	-
07/25/2002	31604	MAC DONALD, DAVE	WB3JOY	PITTSGROVE	NJ	-	-
07/25/2002	31605	PITTS, CHARLES K JR	N3EJS	FELTON	DE	-	-
07/29/2002	31606	MARGRAVE, STEPHEN P	N7ANT	AMMAMDA;E	VA	-	-
07/29/2002	31607	TINGLER, JAY D	WZ5B	MIDWEST CITY	OK	GENE NAILON	K5DLE
07/29/2002	31608	SCHOLTZ, WILLIAM	W3HXF	FALLS CHURCH	VA	-	-
08/02/2002	31609	MC GINNIS, LEE B	K3DYT	CHICORA	PA	G L BERNLOHR	W3WXZ
08/05/2002	31610	MC DONALD, RONALD P	N9DRG	TUCSON	AZ	-	-
08/05/2002	31611	CRAIG, ROBERT B	W2EAL	NEW PROVIDENCE	NJ	-	-
08/05/2002	31612	GAVIN, MICHAEL D	W6MDG	WOODSIDE	CA	AL MONTOYA	WB6IMX
08/06/2002	31613	SCHOEPF, MICHAEL C	WB0VJX	PANAMA CITY	FL	J D SCHOEPF	W0OZG
08/06/2002	31614	GARNETT, ROBERT M	W0VAB	DES MOINES	IA	GARY GARNETT	WT0B
08/06/2002	31615	SULZE, KARL GREGOR	DK9EJ	GERMANY		WERNER LEMBCKE	DL1ZC
08/07/2002	31616	CLOUSER, JOHN B	W0AZJ	WOLSEY	SD	THOMAS M WILSON	NI0I
08/08/2002	31617	SWANSON, BURTON E	KB6O	BULLHEAD CITY	AZ	-	-
08/09/2002	31618	FISCHER, FAL	N9ENZ	HIGHLAND PARK	IL	-	-
08/12/2002	31619	ROOT, THOMAS W	N1XZ	GREENFIELD	MA	-	-
08/13/2002	31620	VUREK, MATTHEW G	N4DLA	ORINDA	CA	-	-
08/15/2002	31621	EGGLESTON, ROBERT G JR	N1GE	DAYVILLE	CT	JOHN B POWER	W1AXU
08/15/2002	31622	PLUM, JOSEPH D	WB8QPG	HARPERS FERRY	WV	CARLIN W MORRIS	WN3DUG
08/15/2002	31623	WALLIS, JOHN J	W0CGV	AURORA	CO	-	-
08/16/2002	31624	HENDRIX, STEVEN E	WB4WFU	CASTLE HAYNE	NC	-	-
08/16/2002	31625	SMITH, IRENE H	VE6VN	CLAGARY	AB	LES CARD	VE6CA
08/16/2002	31626	SMITH, JOHN G	VE6AI	CALGARY	AB	LES CARD	VE6CA
08/19/2002	31627	CARRINGTON, WENDELL E	N5WC	WAXAHACHIE	TX	-	-
08/22/2002	31628	CESSNA, CLAIR	K6LG	RIVERSIDE	CA	ARLO MYERS	WA6UDR
08/22/2002	31629	KIRBY, DAN M JR	K5AIR	STOCKTON	MO	GARY R HARRISON	K0BC
08/22/2002	31630	WALTERS, ERICK L	KE1LW	QUAKER HILL	CT	ROY HILT	K1JNR
08/23/2002	31631	HUHTA, L WAYNE	W8GXB	SONOITA	AZ	-	-

08/23/2002	31632	PIATT, DARWIN W JR	W9HZC	OMAHA	NE	DICK NEWSOME W0HXL
08/23/2002	31633	WEIR, DEBORAH P	WA2LGZ	CLARENCE	NY	FRED WEIR W2UB
08/26/2002	31634	MARCUS, BRUCE S	N1XG	GLASTONBURY	CT	THOMAS EVANS W1JC
08/26/2002	31635	DODSON, CONRAD T JR	KF7VR	CHEYENNE	WY	DONALD R MILLER K7RFW
08/27/2002	31636	PRITCHARD, GORDON	VA7GP	SOUTH SURREY	BC	- -
08/29/2002	31637	EGGINGER, REINHARD	DF7MW	GERMANY		WERNER LEMBCKE DL1ZC
08/29/2002	31638	BACON, TERRY	WB0WIA	ALBUQUERQUE	NM	CHUCK STANTON W5LBU
08/29/2002	31639	OXFORD, CHARLES	WB5NZP	FORT SMITH	AR	- -
08/29/2002	31640	WILSON, JAMS B SR	WB0JPN	OMAHA	NE	ROBERT A CONLEY WB0LYU
08/29/2002	31641	MYER, HAROLD	WB0ZLV	MILTONVALE	KS	GARY HARRISON K0BC
08/29/2002	31642	SCOTT, DOYLE	WB0SRP	MILTONVALE	KS	GARY HARRISON K0BC
08/29/2002	31643	SIAS, ALAN J	WB0DRL	SALINA	KS	GARY HARRISON K0BC
08/29/2002	31644	ARMSTRONG, LEWIS R	AB0RA	LIBERAL	KS	GARY HARRISON K0BC
08/29/2002	31645	BERNDT, DAVID L	KA0TTU	GLASCO	KS	GARY HARARISON K0BC
08/29/2002	31646	MORTON, BERT E	W1DFU	WALLINGFORD	VT	CHUCK WALBRIDGE K1IGD
08/30/2002	31647	BOYDEN, F WENDELL JR	K1LWI	HULL	MA	TONY MANNA WA1ENO
08/30/2002	31648	ESTES, CHARLES	WA4RNN	REHOBOTH	MA	CHUCK WALBRIDGE K1IGD
08/30/2003	31649	CZARNECKI, DONALD J	W1DON	BEVERLY	MA	TONY MANNA WA1ENO
08/30/2002	31650	HYATT, DAVID	K1DAV	TORRINGTON	CT	HAROLD CHASE W1EES
08/30/2002	31651	JOHNSTONE, DAVID J	WB1COB	TORRINGTON	CT	HAROLD CHASE W1EES
08/30/2002	31652	LEMIRE, LOUIS C	AC1E	WHITINSVILLE	MA	CHUCK WALBRIDGE K1IGD
08/30/2002	31653	SWARTZ, PAUL C	N1FWD	E BRIDGEWATER	MA	CHUCK WALBRIDGE K1IGD
08/30/2002	31654	LEFFLER, CHARLES W	AB4VF	ORMOND BEACH	FL	- -
08/30/2002	31655	ROBBINS, ROBERT N	W4HF	WILKESBORO	NC	- -
08/30/2002	31656	SOZANSKI, STEPHEN N	WA1HHK	TOPSFIELD	MA	- -
09/03/2002	31657	BECK, WILLIAM MARLIN JR	K3ARR	SUNBURY	PA	- -
09/03/2002	31658	FRINK, WILLIAM A	K5WAF	HOUSTON	TX	- -
09/03/2002	31659	HEMERLEIN, FRANKLIN J	W6CYW	COVINA	CA	- -
09/04/2002	31660	MIHARA, AKIO	JS1ERB	JAPAN	-	-
09/04/2002	31661	WEBER, BRUCE S	VE3IL	MISSISSAUGUA	ON	ALAN ILLIDGE VE3EJM
09/06/2002	31662	GWIN, JOHN T	W4SK	MOUNT JULIET	TN	DON JONES N4TN
09/09/2002	31663	BROWN, HUGH T	WB7RBZ	KLAMATH FALLS	OR	WAYNE MILBURN W7IJK
09/09/1902	31664	HANSON, LOYAL MC KINNEY	W9WV	FALLBROOK	CA	TROY WIDEMAN JR W6HV
09/09/2002	31665	BISCHOFF, ROBERT A	K4QHH	RUTHERFORDTON	NC	- -
09/09/2002	31666	BOSCH, WILLIAM W	K0UB	DICKINSON	ND	- -
09/09/2002	31667	STALDER, EDGAR A	K4YY	ABINGDON	VA	- -
09/09/2002	31668	SUPAN, PAUL	K6PS	LEESBURG	VA	JOHN B JOHNSTON W3BE
09/10/2002	31669	HIZER, JOHN N	K0ZA	HARLEM	GA	DONALD R ANDERSON K4PSW
09/11/2002	31670	PENEZIC, DAVID	WA4GUK	FORT MYERS	FL	MICHAEL C. GURKA K2UGH
09/12/2002	31671	SCOTT, RANDY D	W9HL	ROCKFORD	IL	- -
09/12/2002	31672	WRIGHT, JESSE D JR	W5QDW	ALBUQUERQUE	NM	- -
09/16/2002	31673	LEWIS, JAMES W	WB8GIP	SUN CITY CENTER	FL	- -
09/16/2002	31674	MELCHIORI, JOHN	K4JBM	ORLANDO	FL	- -
09/16/2002	31675	MELCHIORI, MARIA	K4MFM	ORLANDO	FL	- -
09/16/2002	31676	ROMANOSKY, JOSEPH R	K3KN	ELLICOTT CITY	MD	- -
09/17/2002	31677	CROSBY, W E	K5HAK	YUJON	QJ	GENE NAILON K5DLE
09/18/2002	31678	BRYANT, ERNEST M	KR4W	CARTHAGE	NC	- -
09/19/2002	31679	BOLAS,E JAMES	KF0FM	PRAIRIE VILLAE	KS	W W MC GRANNAHAN N0ZL
09/19/2002	31680	KEITHLEY, STEVE	WD9FTL	ALBUQUERQUE	NM	BILL WAGEMAN K5MAT
09/19/2002	31681	MELLO, DAVID	W1DGM	WEST HARTFORD	CT	ALEXANDER COHEN W1FXQ
09/19/2002	31682	VARNEY, HAL W	WA0HLN	ARVADA	CO	- -
09/20/2002	31683	KELLY, JOSH O	N4VB	HUNTSVILLE	AL	BOB WHEATON W5XW
09/23/2002	31684	BAKER, CLAUDE S	K9PGW	HOUSTON	TX	DAVID M KIRBY K5AIR
09/23/2002	31685	BATES, PHILIPPE A	W3SOH	RUTLAND	VT	JOHN M HEISEY K2FL
09/23/2002	31686	SHEPHERD, WILLIAM A	W4AUZ	SUN CITY CENTER	FL	- -

09/24/2002	31687	BROWN, WALLY	K1TQ	WILLOW STREET	PA	-	-
09/24/2002	31688	STEFFAN, STEPHEN E	WB3EFA	YORK	PA	RAYMOND A SHAUB	W3AXC
09/26/2002	31689	SMITH, THOMAS B	N5AMA	CYPRESS	TX	-	-
09/26/2002	31690	BRATTY, ANN JUDITH	WD2ADI	TONAWANDA	NY	TOM WHALEN	W2QT
09/30/2002	31691	AMUNDSON, GAR L	W0GAR	WIBAUX	MT	-	-
09/30/2002	31692	HUNT, RICHARD C	K5FWQ	SUGAR LAND	TX	-	-
09/30/2002	31693	KLATT, RAYMOND A JR	KC8UJT	DEXTER	MI	-	-
09/30/2002	31694	KUKOSKI, ALLAN E	WA2JVI	MILFORD	NJ	GILBERT KAUFFMAN	K3CC
09/30/2002	31695	WIEMANN, ALFRED W	W3CE	NORTHANPTON	PA	GILBERT KAUFFMAN	K3CC
10/01/2002	31696	CIRILLO, FRANK A JR	WA2MSD	YORKTOWN HGTS	NY	-	-
10/02/2002	31697	ALLEN, EDWIN P III	WA4ISB	SARASOTA	FL	ALAN PICKERING	KJ9N
10/04/2002	31698	ARMSTRONG, ROBERT	WA4SQL	CHESAPEAKE	VA	CHARLES CHAPMAN	W1WTG
10/04/2002	31699	MC NAMARA, DON	KN4M	HYDEN	KY	CHARLES CHAPMAN	W1WTG

In the Fall issue of the Journal we incorrectly listed the callsign of new member #31421 David Althoen. His correct call is K6HYL.

BE Informed! *By W3BE.* In ITU Region 1, the FCC has no regulatory responsibility for the amateur service within any prescribed territorial area. Your station may operate in ITU Regions 1, 2 and 3, however, on or over the high seas in areas where the service is not regulated by a foreign government or by an agency of the U.S. Government other than the FCC. See Appendix 1 to Part 97.

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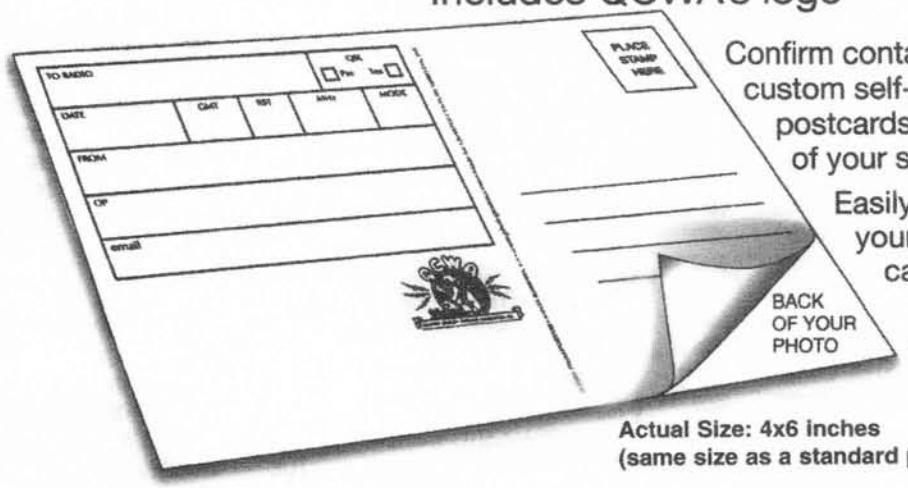

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NAME	CALL	MEMNUM	L	SK	CITY	ST	
SHELDON, EDWIN L	W0NWM	30028			2002 ABERDEEN		SD
HARNOIS, MARGARET L	K1GSF	18178			2002 WESTROOK		ME
SOLOMON, AARON D	VE1OC	06731		*	2002 DARTMOUTH		NS
KENDALL, L E	W1ABE	03917		*	2002 NEWPORT		RI
HALLSTROM, KENNETH	W1FMU	18090			2002 FAIRFIELD		CT
WOODWARD, WALTER S	W1RCJ	08559		*	2002 MARLBORO		MA
SMITH, GENE F	K2DBL	13364			2002 WHITING		NJ
GORENFLO, HUGO ALBERT	K25LI	20782		*	2002 HOWELL		NJ
MAY, JOHN B	KF2TW	28344			2002 MERRIMACK		NH
JOHNSON, HAROLD E	W2CHC	06101			2002 CLEARWATER		FL
MULLEN, MICHAEL F	WB2GWQ	25632			2002 JAMAICA		NY
MOUNT, JOSEPH T	WB2KAK	30569			2002 NEPTUNE		NJ
CHANTILES, PETE J	N3DVO	22178			2002 YORK		PA
HERMAN, WILLIAM E	W3DMG	16626			2-2 ALTOONA		PA
TAYLOR, JOHN L	K4BEX	31368			2002 RALEIGH		NC
DENNIS, GEORGE R	K4DSK	13794		*	2002 HOPKINS		SC
CHRISTIAN, BILL	K4IKR	20194			2002 HUNTSVILLE		AL
O'HEIR, WALTER C	N4WO	10472			2002 JACKSONVILLE		FL
WALKER, A P	W4BW	01243		*	2002 ROCHESTER		NY
RITTER, FREDERICK O	W4FI	08738			2002 LONGWOOD		FL
HAWLEY, DONALD T	W4ZU	08762			2002 ORLANDO		FL
CONE, MONTIE F	WA4PBG	22122			2002 FALLS CHURCH		VA
VALLERY, DEAN B	AC5WB	14499			2001 SAN ANTONIO		TX
GATE, JERRY D JR	K5DXI	16612			2002 WACO		TX
LYONS, GEORGE E	K5MXQ	19866			2002 DALLAS		TX
WREN, THOMAS F	K5TFW	31068			2002 UNIVERSAL CITY		TX
CLARK, WILLIAM B	KG4GFO	30328			2002 BREVARD		NC
SULLIVAN, ROBERT D	W5YO	07557		*	2002 EUREKA		CA
FLOYD, JACK	W5DXR	15062			2002 RICHARDSON		TX
WHITTENBERG, HOLLIS H	W5GG	05958			2002 DALLAS		TX
ZELINGER, FRED F	W5PBO	30527			2002 OKLAHOMA CITY		OK
GREENE, WILLIAM C JR	WA5JGU	22146			2002 OKLAHOMA CITY		OK
WATTS, GEORGE J	KB6V	03729		*	2002 REDONDO BEACH		CA
MC NULTY, DAN L	W6CRL	27772			2002 HERCULES		CA
CHAPMAN, WILLIAM R	W6IE	07022		*	2002 LOS ANGELES		CA
MC FADZEAN, JOHN	W6TRP	06829		*	2002 BAKERSFIELD		CA
HARBAUGH, DAVID E	W6TUW	16044			2002 SANTA CRUZ		CA
MC QUEEN, JOHN W	KL7AVX	04133		*	2002 ANCHORAGE		AK
SMITH, FRANCIS W E	W7MAK	23387			2002 MISSOULA		MT
HOLT, CLIFFORD E	W7PPT	11313		*	2002 PORTLAND		OR
SCHMOCK, HELEN H	W8GJX	00793		*	2002 ONEKAMA		MI
BALKO, DAVID F	W8GUR	30307			2002 TRENTON		MI
BREWSTER, ROBERT L	W8HSK	05385			2002 CLEVELAND HEIGHTS		OH
LABO, DEL E	W8SJC	04620		*	2002 AKRON		OH
MEHRING, LAWRENCE	W9FJW	30878			2002 BRADENTON		FL
WILLIAMS, LOU	W9GSB	01704		*	2002 CARY		IL
MC INTYRE, CHARLES A	W9HDI	26366			2002 MADISON		WI
FISHER, FERN V	W9LCJ	22869			2002 RACINE		WI
BAIRD, ROBERT E	W9NN	00052		*	2002 COCOA BEACH		FL
KNOPP, WILLIAM S	WA9ERC	29855			2002 MERRITT ISLAND		FL

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Wanted: National NTE transmitter, SW-3 Universal (octal tubes), home-brew receivers, particularly Radio & ARRL Handbook designs. John, KU6X, 2512 Euclid Crescent E. Upland, CA 91784, (909) 981-6759, Email: hurstjsj@gte.net

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Date of birth_____ Birthplace_____
Present occupation/business _____
If retired, what was major life work? _____
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